The College reserves the right to make changes to any policies, procedures, courses, programs and fees indicated in the catalog without Becker College is an Equal Opportunity/Affirmative Action institution and prohibits discrimination on the basis of age, sex, race, color, religion, ancestry, national origin, disability, gender identification, genetic information, sexual orientation, marital status, veteran status or any other characteristic protected by federal, state or local law. This policy applies to all terms and conditions of employment, admission to and enrollment with the College, including, but not limited to, recruitment, selection, hiring, placement, transfer, promotion, training, compensation, benefits, discipline, termination, educational policies, admission policies, financial aid, scholarship and loan programs, housing, athletic and other College-administered programs and activities. Further, faculty, staff, students, and applicants are protected from retaliation for filing complaints or assisting in an investigation of discrimination.

Inquiries regarding non-discrimination policies may be directed to:
Michelle Fatcheric, Title IX Coordinator, 44 West Street, Worcester, MA, 774.354.0462, michelle.fatcheric@becker.edu.

August 19, 2015
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Game Design Concentration

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Video Game Management & Production Concentration

Bachelor of Arts in Global Citizenship

Bachelor of Arts in Early Childhood and Youth Education

Bachelor of Arts in Liberal Arts

Global Citizenship Concentration

Pre-Law Concentration

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A Message from the President

Greetings from Becker College. I am indeed proud to be the tenth president of this great institution. Passionate about the transformative power of higher education, I have dedicated my career to encouraging young people to work hard pursuing their educational and career dreams, exploring opportunities, strengthening their abilities, and realizing their potential.

This catalog highlights the range of diverse programs and concentrations found at Becker—from Veterinary Science, Design, Computer Game Programming, Equine Studies, and Global Citizenship to accelerated degree programs in Business, Education, and Psychology, and more. This year, Becker offers its first master’s degree program, Master of Arts in Mental Health Counseling.

Becker College traces its history to 1784, making it one of the nation’s top-25 oldest institutions of higher learning. The College currently enrolls more than 2,000 students at its two campuses in Worcester and Leicester, Massachusetts. Becker has been ranked by The Princeton Review as a “Best College” for undergraduate education for four consecutive years, and its undergraduate video game design program has been top-ranked by The Princeton Review for six consecutive years—the only institution on the East Coast to maintain this longstanding distinction. Becker is one of ten private colleges in New England to offer AVMA-accredited undergraduate programs in veterinary technology and is, nationally, the third-largest producer of undergraduate vet tech degrees among four-year private institutions. Becker’s nursing programs are among the top producers of nurses in Massachusetts, with the first-time NCLEX pass rate consistently meeting or exceeding state and national rates.

In April 2011, Becker was designated as the home of the Massachusetts Digital Games Institute (MassDiGI), a first-in-the-nation, statewide center that facilitates cooperation and innovation among the digital games industry, the public sector, and academia. MassDiGI helps position Massachusetts as a global leader in the digital games industry—resulting in job growth, economic development, and entrepreneurship. As a member of the tenth cohort of the American Council on Education’s (ACE) Internationalization Laboratory, the College developed a global engagement strategy to support Global Citizenship as a key attribute of a Becker College education. In 2015, Becker College was designated as the first Yunus Social Business Centre in the U.S.

Becker has built its history of success in challenging and supporting students from diverse backgrounds to achieve their goals. By inspiring innovative, entrepreneurial initiatives that augment the College’s rich history and delivering a transformational educational experience to every student, Becker instills the three pillars of global citizenship: academic excellence, social responsibility, and creative expression so that graduates may not only rise to the top of their chosen professions, but contribute to the greater good as global citizens.

On behalf of the Becker College community, I welcome you.

Best Regards,

Robert E. Johnson, Ph.D.
President
## Becker College
### 2015-2016 Academic Calendar

The College reserves the right to make changes as necessary to the academic calendar.

**Fall Semester 2015**

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<td>Thursday, August 27</td>
<td>Faculty Workshop</td>
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<td>Friday, August 28</td>
<td>Adjunct Faculty Workshop</td>
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<td>Resident Freshmen Arrive</td>
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<td>Friday, August 28 –</td>
<td>Freshmen Orientation</td>
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<tr>
<td>Sunday, August 30</td>
<td>Resident Upper Classmen Arrive</td>
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<tr>
<td>Sunday, August 30</td>
<td>Fall Convocation</td>
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<td>Monday, August 31</td>
<td>Classes Begin – 15 Week Fall Session</td>
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<td></td>
<td>Accelerated – Module I – Courses Begin</td>
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<td>Accelerated – Block A – Courses Begin</td>
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<tr>
<td></td>
<td>Graduate Program Classes Begin</td>
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<tr>
<td>Friday, September 4</td>
<td>Last Day to Add/Drop a Class – 15 Week Fall Session</td>
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<tr>
<td>Sunday, September 6</td>
<td>Accelerated – Module I – Last Day to Add/Drop</td>
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<td>Monday, September 7</td>
<td>Labor Day – No Classes</td>
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<td>Sunday, September 13</td>
<td>Accelerated – Module I – Last Day to Withdraw from Course with 50% Refund</td>
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<td>Accelerated – Block A – Last Day to Withdraw from Course with 50% Refund</td>
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<td>Friday, October 2</td>
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Accelerated – Block A – Courses End

Saturday, October 17
Fall Open House

Sunday, October 18
Accelerated – Module 2 – Last Day to Withdraw from Course with 50% Refund

Wednesday, October 21
Mid-Term Grades Due

Monday, October 26
Accelerated – Block B – Courses Begin

Sunday, November 1
Accelerated – Block B – Last Day to Add/Drop

Monday, November 2
Pre-Enrollment for Spring 2016 Begins

Friday, November 6
Accelerated – Module 2 – Courses End

Sunday, November 8
Accelerated – Block B – Last Day to Withdraw from a Course with 50% Refund

Monday, November 9
Accelerated – Module 3 – Courses Begin

Wednesday, November 11
Veterans Day – No Classes

Sunday, November 15
Accelerated – Module 3 – Last Day to Add/Drop

Sunday, November 22
Accelerated – Module 3 – Last Day to Withdraw from Course with 50% Refund

Wednesday, November 25 – Sunday, November 29
Thanksgiving Break – No Classes

Friday, December 11
Classes End – 15 Week Fall Session
Graduate Program Classes End

Saturday – Friday, December 12 – 18
Final Examinations

Friday, December 18
Accelerated – Module 3 – Courses End

Monday, December 21
Final Grades Due

Monday, December 21
Final Grades Due

Intersession 2015-2016

Monday, December 14
Intersession – Last Day to Register

Thursday, December 17
Intersession – Courses Begin

Tuesday, December 22
Intersession – Last Day to Drop a Class for Full Refund
Wednesday, December 23

Intersession – No Refund for Courses Dropped On or After December 23

Friday, January 8

Interession – Courses End

Spring Semester 2016

Monday, January 4

Accelerated – Module 1 – Courses Begin

Accelerated – Block A – Courses Begin

Sunday, January 10

Accelerated – Module 1 – Last Day to Add/Drop

Accelerated – Block A – Last Day to Add/Drop

Thursday & Friday, January 14 & 15

Faculty Workshop

Friday, January 15

Adjunct Faculty Workshop

Sunday, January 17

Accelerated – Module 1 – Last Day to Withdraw from Course with 50% Refund

Accelerated – Block A – Last Day to Withdraw from Course with 50% Refund

Monday, January 18

Residents Arrive

Orientation and Assessment for January Entrants

Monday, January 18

Martin Luther King Day

Tuesday, January 19

Classes Begin – 15 Week Spring Session

Tuesday, January 26

Last Day to Add/Drop a Class – 15 Week Spring Session

Friday, February 5

Accelerated – Module 1 – Courses End

Monday, February 8

Accelerated – Module 2 – Courses Begin

Sunday, February 14

Accelerated – Module 2 – Last Day to Add/Drop

Monday, February 15

President’s Day – No Classes

Sunday, February 21

Accelerated – Module 2 – Last Day to Withdraw from Course with 50% Refund

Friday, February 26

Accelerated – Block A – Courses End

Saturday, March 5

Spring Open House

Monday, March 7

Accelerated – Block B – Courses Begin
Tuesday, March 8  
Mid-Term Grades Due

Sunday, March 13  
Accelerated – Block B – Last Day to Add/Drop

Monday, March 14 – Sunday, March 20  
Spring Break – No Classes – 15 Week Spring Session

Friday, March 18  
Accelerated – Module 2 – Courses End

Sunday, March 20  
Accelerated – Block B – Last Day to Withdraw from Course with 50% Refund

Monday, March 21  
Accelerated – Module 3 – Courses Begin

Friday, March 25  
Good Friday – No Classes

Sunday, March 27  
Accelerated – Module 3 – Last Day to Add/Drop

Sunday, April 3  
Accelerated – Module 3 – Last Day to Withdraw from Course with 50% Refund

Monday, April 4  
Pre-Enrollment for Fall 2016 Begins

Friday, April 22  
Accepted Students Day

Friday, April 29  
Accelerated – Module 3 – Courses End

Accelerated – Block B – Courses End

Wednesday, May 4  
Classes End – 15 Week Spring Session

Thursday, May 5  
Reading Day

Friday - Thursday, May 6 – 12  
Final Examinations

Friday, May 13  
Honors Convocation

Saturday, May 14  
Commencement

Tuesday, May 17  
Final Grades Due

Wednesday & Thursday, May 18 & 19  
Faculty Workshop

Summer Semester 2016

Monday, May 9  
Accelerated – Module 1 – Courses Begin

Accelerated – Block A – Courses Begin

Graduate Program Summer I - Classes Begin

Sunday, May 15  
Accelerated – Module 1 – Last Day to Add/Drop

Accelerated – Block A – Last Day to Add/Drop
Sunday, May 22  
Accelerated – Module 1 – Last Day to Withdraw from Course with 50% Refund

Monday, May 23  
12 Week Summer Sessions Begin

Friday, May 27  
12 Week Summer Sessions - Last Day to Add/Drop a Class

Monday, May 30  
Memorial Day – No Classes

Friday, June 10  
Accelerated – Module 1 – Courses End
Graduate Program Summer I – Classes End

Monday, June 13  
Accelerated – Module 2 – Courses Begin

Sunday, June 19  
Accelerated – Module 2 – Last Day to Add/Drop

Friday, June 24  
Accelerated – Block A – Courses End

Sunday, June 26  
Accelerated – Module 2 – Last Day to Withdraw from Course with 50% Refund

Monday, July 4  
Independence Day – No Classes

Monday, July 11  
Accelerated – Block B – Courses Begin
Graduate Program Summer II – Classes Begin

Sunday, July 17  
Accelerated – Block B – Last Day to Add/Drop

Friday, July 22  
Accelerated – Module 2 – Courses End

Sunday, July 24  
Accelerated – Block B – Last Day to Withdraw from Course with 50% Refund

Monday, July 25  
Accelerated – Module 3 – Courses Begin

Sunday, July 31  
Accelerated – Module 3 – Last Day to Add/Drop

Sunday, August 7  
Accelerated – Module 3 – Last Day to Withdraw from Course with 50% Refund

Friday, August 12  
12 Week Summer Sessions End

Friday, August 26  
Accelerated – Module 3 – Courses End
Accelerated – Block B – Courses End
Graduate Program Summer II Classes End
Introduction

Becker College is a private, independent, co-educational, four-year institution with undergraduate (associate's and bachelor's) degrees; graduate degrees; and adult education degrees (associate's and bachelor's) and certificate programs. The College is dedicated to its mission of providing students with a transformational learning experience that prepares them to thrive, contribute to, and lead in a global society. Students are prepared to truly be world ready—divergent thinkers with emotional intelligence and an entrepreneurial mindset who are capable of making the world better than the way they found it.

The College's core values of excellence, accountability, community and diversity, social responsibility, integrity, and creative expression are integral components of the student experience. There is a connectedness between students and faculty that enhances learning and student success and provides each student with personal attention and a close-knit, family atmosphere.

Becker College traces its history to 1784—one of the nation’s top-25 oldest institutions of higher learning—with a founding charter signed by American Revolutionaries John Hancock and Samuel Adams. Today more than 2,000 students from across the nation and around the world live and learn on two distinctively New England campuses, located six miles apart, in the heart of Massachusetts.

The Worcester campus is situated in the Elm Park neighborhood of Worcester—New England’s second largest urban center, with a population of approximately 180,000. With its quiet tree-lined streets and historic Victorian-style homes, the Worcester Campus is only a short walk from the downtown business district. The greater Worcester area is home to more than 30,000 students at 13 colleges. The Leicester Campus is situated in a quintessential New England country town, adjacent to an historic village green. This rural setting provides space for Becker’s Division III athletic team facilities and for the animal studies programs. The College provides students with a free shuttle service, which enables them to move easily between campuses.
Accreditation and Memberships

Becker College is authorized to award the Associate in Science degree and the Bachelor of Arts and Bachelor of Science degrees in selected fields of study by the Commonwealth of Massachusetts. The College is accredited by the New England Association of Schools and Colleges, Inc. (NEASC) at the associate and bachelor levels as well as for a Master of Arts in Mental Health Counseling. The NEASC is a non-governmental, nationally recognized organization with a broad spectrum of affiliated institutions from elementary schools to collegiate institutions offering postgraduate instruction. The College is also approved by the Massachusetts Department of Education to grant Initial Licensure for the Early Childhood Education level (pre-K through grade 3) and Initial Licensure in Elementary Education (grades 1 through 6).

Accreditation of an institution by the NEASC indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the NEASC is not partial but applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the status of an institution’s accreditation by the NEASC should be directed to the administrative staff of the school or college. Individuals may also contact the Association:

New England Association of Schools & Colleges, Inc.
Commission on Institutions of Higher Education
3 Burlington Woods Drive, Suite 100
Burlington, MA 01803
(855) 886-3272 (toll free)
(781) 425-7700
Fax (781) 425-1001
www.neasc.org

Accreditations

- New England Association of Schools and Colleges
- American Veterinary Medical Association Committee on Veterinary Technician Education and Activities
- Accreditation Commission for Education in Nursing, Inc. (ACEN)

Memberships

- Academic and Research Collaborative (ARC)
- Academy of Criminal Justice Sciences
- American Association of Collegiate Registrars and Admissions Officers
- American Association for Laboratory Animal Science (AALAS)
- American Council on Education (ACE)
- American International Recruitment Council (AIRC)
- American Library Association (ALA)
- Association for Continuing Higher Education (ACHE)
- Association for Institutional Research (AIR)
- Association for Supervision and Curriculum Development (ASCD)
- Association of American Colleges & Universities (AAC&U)
- Association of College & Research Libraries (ACRL)
- Association of Governing Boards of Universities and Colleges
- Association of Independent Colleges and Universities in Massachusetts (AICUM)
- Association of International Education Administrators (AIEA)
- Association of Physical Plant Administrators (APPA)
- Association of Veterinary Technician Educators
- Central Massachusetts Regional Library System (CMRLS)
- Council for the Advancement and Support of Education
- Council for Higher Education Accreditation (CHEA)
- Council of Independent Colleges (CIC)
- Council on Competitiveness
- Council on International Education Exchange (CIEE)
- Eastern Collegiate Athletic Conference (ECAC)
- Eastern Collegiate Football Conference (ECFC)
- EDUCAUSE
- Higher Education Consortium of Central Massachusetts (HECCMA)
- Innovative Users Group (IUG)
- Intercollegiate Horse Show Association (IHSA)
- International Assembly for Collegiate Business Education (IACBE)
- Massachusetts Library Association (MLA)
- Massachusetts Library System (MLS)
- Massachusetts/Rhode Island League for Nursing
- NAFSA: Association of International Educators
- National Association for Campus Activities (NACA)
- National Association of College Admissions Counselors
- National Association of College and University Business Officers
- National Association for Education of Young Children (NAEYC)
- National Association of Independent Colleges and Universities (NAICU)
- National Association of President’s Assistants in Higher Education (NAPAHE)
- National Association of Student Financial Aid Administrators
- National Association of Student Personnel Administrators
- National Association of Veterinary Technicians in America
- National Collegiate Athletic Association (NCAA)
- National League for Nursing
- NELINET, Inc.
- New England Association of College Admissions Counselors
- New England Association of Collegiate Registrars and Admissions Officers
- New England Association of Schools and Colleges (NEASC)
- New England Association for Cooperative Education and Field Experience
- New England Association of Veterinary Technician Educators
- New England Collegiate Conference (NECC)
- New England Faculty Development Consortium (NEFDC)
- New England Transfer Association
- Northeast Association for Institutional Research (NEAIR)
• Northeast Regional Computing Program (NERCOMP)
• Public Relations Society of America (PRSA)
• Scholars at Risk Network
• Society for College and University Planning (SCUP)
• The College Board
• Westchester Academic Library Directors Organization (WALDO)
• Worcester Art Museum
• Worcester Chamber of Commerce
• Worcester Educational Collaborative
Our Vision

Becker College will become a nationally recognized institution of higher education, renowned for its values and for its focus on delivering to the world highly educated, responsible citizens, prepared to contribute to a global society and rise to the top of their chosen professions.

Our Mission

The mission of Becker College is to deliver to each student a transformational learning experience—anchored by academic excellence, social responsibility, and creative expression—that prepares graduates to thrive, contribute to, and lead in a global society.

Our Core Values

At Becker College, we believe in the transformational power of a college education to impart knowledge and enlightenment in a global society. We believe higher education is a privilege, and that an educated person has a responsibility not only to seek personal and professional success but also to contribute to a greater good.

The following core values support these beliefs. They are fundamental to the success of the College and its community, reflecting the Becker College educational experience and guiding the College in its mission and decision-making at all levels.

Excellence
- We are committed to providing the best educational experience possible to every student.
- We seek opportunities to identify and celebrate excellence as part of our culture.

Accountability
- We are committed to ensuring that all members of the Becker College community are accountable for their work in support of the College, its mission, and ideals.

Community & Diversity
- We promote an open and diverse community that encourages an unfettered exchange of ideas, with civility and respect, and the empowerment of all individuals.
- We believe in a future inter-connected with our neighbors, our nation, and our world.
- We believe that our diversity as a community is a strength that should be celebrated.

Social Responsibility
- We believe that by helping others, we enhance our own lives and the lives of others.

Integrity
- We uphold the highest ethical standards, striving for institutional and personal integrity in all that we do.

Creative Expression
- We believe that learning is rooted and grows in creative thought, inquiry, and self-discovery.
Educational Philosophy

Becker is a private, coeducational college offering baccalaureate, selected associate’s degrees and a new Master of Arts in Mental Health Counseling. Focusing upon its students as individuals to be encouraged to seek out and develop interests and careers of their choice, the College concerns itself with the whole person, emphasizing not only classroom education but also practical experience through liaisons with the business and professional community.

Becker encourages students to grow intellectually, socially, and personally by engaging the world of knowledge, ideas, and imagination in a stimulating manner and promoting the active exchange of views among students, faculty, and administration.

The College is committed to the belief that an educated person should thoroughly understand an area of knowledge or practice; should possess an understanding of science, social science and the humanities and an appreciation of aesthetics; should be sensitive to ethical and moral issues; should be competent in oral and written communications; should demonstrate analytical and problem solving ability; and should have a commitment to the value of continued learning.
Location

A city on the move, Worcester combines the warmth of a small town with the convenience of a thriving city. Just an hour’s distance from Boston and Springfield, Mass., Providence, R.I., and Hartford, Conn., Worcester is at the crossroads of several major routes, including the Massachusetts Turnpike (I-90), Interstates 290 and 395, and Routes 146 and 20.

There's always something happening in Worcester. More than 30,000 students at 12 colleges call the greater Worcester area home. A culturally vibrant city, Worcester features world-renowned museums and concert halls, theatres, galleries, as well as a wealth of performing groups, ethnic festivals, artists of every discipline, restaurants, specialty shops, and hotels.

Becker College is fortunate to act as a steward for historic preservation in its residential Worcester neighborhood and its picturesque rural campus in Leicester. In Leicester, former homes dating from the 19th century, now student housing and faculty offices, surround a lush town common.

The Becker College Equestrian Center is just a few scenic miles away from the Leicester campus, in Paxton, Mass.

Worcester Campus

Becker’s Worcester campus is situated in the Elm Park section of Worcester; a quiet area of tree-lined streets and lovely old homes, and a short walk from the downtown business district. The city of Worcester (pop. 181,045) is New England’s second largest urban center.

Just forty miles west of Boston, air, rail and bus transportation connect Worcester to all major points. The Worcester Regional Transit Authority provides regular bus service throughout the area. Our students find this location to be outstanding. They have the opportunity to participate in a number of cultural, social, and recreational activities while preparing for their chosen career at a campus that is friendly and informal.

Becker’s character is reflected in the beauty of its historic Victorian-style residences. Contained within a four-block neighborhood, with Sever Street at the focal point, many of the buildings proudly display hand-carved paneling and fireplace mantels, stained-glass windows, and detailed woodwork. The oldest, Colton Hall, was obtained in 1936. The newest—the Health Science Education Center dedicated in May, 2000—was specifically designed to blend in with the neighborhood architecture.

In summer 2011, the College acquired a stately neighborhood property to accommodate its growing design department. The former home will be renovated to include classroom, event and living space as well the offices of the Massachusetts Digital Games Institute (MassDiGI). Becker was designated by the Commonwealth as the site of MassDiGI, a strong partnership between the digital games industry, academia, and the public sector that will strategically foster job growth and economic development through this cutting-edge industry.

Leicester Campus

The Leicester campus surrounds the historic village green at the junction of Routes 9 and 56 in the center of Leicester. The Worcester Regional Transit Authority provides regular bus service from the city to the campus. Students who reside on the Leicester campus have the opportunity to participate in many of the cultural, social, and recreational activities of the metropolitan area while living in a small New England town, rich in a history that predates the American Revolution.
Leicester’s character is reflected in the blend of traditional and modern campus buildings. Several 19th century buildings provide a link with Leicester’s historic past. Hitchcock, Winslow, and Lane Halls were built before the War of 1812. May House, formerly the Reverend Samuel May House, was officially recognized in June 2008 as a stop on the Underground Railroad.

The Lenfest Animal Health Center is a working teaching center and veterinary clinic, dedicated in 1982 and expanded in 1988. The veterinary clinic is open to the public and serves as a teaching clinic for students in Becker’s animal studies programs. The clinic provides well visits and non-emergency care for dogs, cats, other small mammals, and birds.

The lobby, biology and chemistry laboratories, and Daniels Hall auditorium, in our award-winning Borger Academic Center, were renovated in 2008. A new residence hall, Barrett Hall, was dedicated to Becker college alumna Colleen Barrett, former president of Southwest Airlines, and opened in 2008.

A new campus center opened in fall 2012. The 35,727-square-foot brick and glass structure is linked to the previous student center by a glass bridge connector and a neo-classical masonry tower. The center allows the College to create vibrant programming 18 hours a day.

The Leicester campus is also the primary site of the college’s first graduate degree program, the Master of Arts in Mental Health Counseling. This program includes the Becker College Counselor Training Clinic, an on-campus training clinic that provides counseling services to the greater Leicester community and clinical training experiences for the Becker graduate students.

A welcoming interior “Main Street” allow visitors entering the new building dynamic glimpses of the 254-seat capacity dining facility. A state-of-the-art fitness center offers a wide variety of fitness options. Just around the corner from an orientation desk is a café and multimedia lounge. A glass-enclosed quiet study room with computers allows students an alternative to the library and computer labs. The two-story, sun-drenched glass atrium opens to an outdoor student activity space below the Quad’s two majestic beech trees.
Admissions

Becker College is a four-year, private coeducational college with an enrollment of more than 2,000 students. Becker provides an ideal educational atmosphere for students who desire a nurturing environment and strong community spirit. Faculty members mentor students to foster personal growth as well as academic success.

Like everything else at Becker, the admissions process is very personal. Selecting a college is one of the most important decisions one will ever make. It is essential prospective students determine that Becker College is a good match. Becker degree programs integrate academic and career education with sponsored activities, athletics and community service projects. The admissions staff is pleased to assist students in the decision-making process.

Campus Visits & Admissions Events

Visiting the campus is an important aspect of the college selection process. Becker College strongly encourages campus visits and offers a variety of ways to do so. Students are invited to actively explore the campuses, meet students and staff and get answers to all their questions.

Tours of the campus are available most weekdays and Saturdays throughout the year. In addition, Open Houses and special events are scheduled to provide access to many of the college’s faculty, staff and administration. For specific dates and times or to schedule a campus visit, please view the schedules online at http://www.becker.edu/admissions/visit-becker/campus-tours or call the Office of Admissions toll-free at 1-877-523-2537, extension 9400. Prospective students may also contact the office via email at admissions@becker.edu.

The admissions staff will provide assistance with directions, hotel recommendations, and maps of area attractions for visitors who are not familiar with the area.

Admission Process and Deadlines

Students interested in applying for consideration to Becker College may submit an application online at www.becker.edu/apply or an application may be submitted through the Common Application at www.commonapp.org.

The most up-to-date information related to admission for a particular academic term can be found online. Applicants are encouraged to check on their application once submitted to ensure that all items have been received.
Application Deadlines

<table>
<thead>
<tr>
<th>Semester</th>
<th>Applicant</th>
<th>Application Option</th>
<th>Application and Credentials Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>First Year</td>
<td>Early Decision</td>
<td>November 15th</td>
</tr>
<tr>
<td>Fall</td>
<td>First Year and Transfer</td>
<td>Early Action</td>
<td>November 15th</td>
</tr>
<tr>
<td>Fall</td>
<td>First Year and Transfer</td>
<td>Regular Decision</td>
<td>February 15th</td>
</tr>
<tr>
<td>Fall</td>
<td>First Year and Transfer</td>
<td>Rolling Admissions</td>
<td>February 15th – August 31st</td>
</tr>
<tr>
<td>Spring</td>
<td>First Year and Transfer</td>
<td>Rolling Admissions</td>
<td>Space-available basis</td>
</tr>
</tbody>
</table>

After the priority deadlines have passed, the Admissions office will review applications received on a rolling basis. This should be taken into consideration when applying. The College encourages students to apply in a timely manner as many of the more popular programs have space limitations.

**Early Decision**

Early Decision (ED) is a **binding** application. Students who apply for ED and are accepted must attend Becker College. Students applying ED must submit all admission application credentials by November 15th. ED applicants who are interested in applying for need-based financial aid can visit our financial aid webpage. Students accepted in ED will be notified by December 15th; students who are not admitted in ED will have their file reviewed with the Regular Decision applicant pool; these students may be requested to submit additional paperwork (updated grades, recommendations).

**Early Action**

Early Action (EA) is a non-binding application option where students who apply by the November 15th deadline will have their admission decisions mailed by December 15th. If Becker College is one of the student’s top choices, then they are encouraged to apply Early Action. There are several programs to which admission is competitive and early application is encouraged.

Early Action candidates will receive one of three responses: an offer of admission, a deferral to the regular application pool, or a denial. Students who are deferred to the regular decision pool should request that additional materials such as mid-year grades be submitted to the Admission Office.

Please send all application items to:

Becker College  
Office of Admissions  
61 Sever St.  
Worcester, MA 01609

**Acceptance and Confirmation**

All accepted students are required to forward a $300 tuition commitment deposit to reserve a place in the incoming class. This deposit is due by May 1st. Please be aware that depositing to a college is an important decision. Students should be depositing to only one college. Deposits received prior to May 1st are refundable by written request up to May 1st and are non-refundable thereafter. Tuition commitment deposit is credited on the tuition bill.
Admissions Requirements & Procedures

Freshman Applicants

To be considered for admission, applicants should have an earned GPA of 2.0 in a college preparatory curriculum or better (2.5 GPA for Nursing, Vet Tech, Vet Science, Pre-Vet applicants). Complete applications will include:

- A completed application for admission.

- An official copy of the secondary school transcript sent directly to Becker College. Students who have received a General Equivalency Diploma (GED) must forward an official score report. Freshman admission is contingent upon the applicant's final graduation from high school or successful completion of the GED. Applicants will need to have a final transcript submitted to Becker College following the release of final grades.

- SAT I or ACT scores. Becker College’s CEEB code is 3079.

- Optional letter of recommendation, which attests to the applicant’s individual qualifications. Becker College recognizes that all students are individuals and will consider each applicant’s personal strengths and achievements. Any other supporting materials that are submitted will be considered.

- Optional essay on any topic, approximately 250-500 words in length.

- Applicants whose GPA falls below a 2.0 or whose curriculum was not entirely college preparatory will be reviewed on an individual basis. Applicants must submit all the items listed above and two letters of recommendation (one from a guidance counselor) an essay and/or a personal interview.

- Students applying to Health and Sciences majors please see Health and Sciences Applicants section for specific entrance requirements.

Nursing Program Admissions:

The Becker College nursing program has three separate nursing education programs; Associate of Science in Nursing (ASN), prelicensure BSN, and RN to BSN. The ASN and prelicensure BSN programs educate nurses for entry into nursing practice and success on the nursing licensure examination (NCLEX-RN). The RN to BSN program is for registered nurses seeking a bachelor's degree in nursing. There are academic, clinical, and physical/health requirements for entry into each program. Entry requirements for the specific programs may vary.

Admission to nursing (ASN, prelicensure BSN, and RN to BSN) in the nursing program is competitive, and the requirements listed below are minimums.

Nursing Program Promotion and Progression criteria and specific nursing program policies are detailed in the online Becker College Nursing Student Handbook.
Applicants must apply to the specific nursing program/track they desire to enter. Students seeking transfer from one Becker College prelicensure nursing program to another must petition the Director of Nursing. Transfer admissions are not guaranteed.

LPN admission requirements can be found in Transfer Admission from other Nursing Programs on page 34.

**Associate of Science in Nursing (ASN) Program - Freshman Nursing Applicants Academic Requirements:**

In addition to the requirements listed under Freshman Applicants, all Nursing applicants must:

- Earn high school cumulative G.P.A. of 2.5 or better.

- Complete one year of college preparatory secondary level science with a lab. This course must be completed within five years, with a minimum grade of C. A four-credit college course in science with a lab, with a grade of C or better with only one allowed retake, will also satisfy the prerequisite science requirement. It is strongly recommended that the nursing program science courses be completed prior to admission.

- Complete 2 years of college preparatory level secondary school mathematics including Algebra I and II or Algebra I and Geometry. Both courses must be completed within 5 years with a minimum grade of C. A three-credit college course in College Algebra within 5 years with a grade of C or better will also satisfy the prerequisite math requirement.

- Complete 3 years of secondary school English with a grade of C or better.

- One letter of recommendation of an academic nature.

- Achieve an overall score of Proficient or higher on the ATI Version V – Test of Essential Academic Skills (TEAS® V). Only two attempts to achieve the minimum benchmark score will be allowed. The TEAS requirement applies to all applicants to the ASN nursing program (including internal and external student transfers).

The TEAS test is administered at Becker College (fee required). Contact the Admissions’ Office for more testing information. Information about the test content and resources to prepare for the exam can be found at [https://www.atitesting.com/Solutions/PreNursingSchool/TEAS.aspx](https://www.atitesting.com/Solutions/PreNursingSchool/TEAS.aspx). A study guide is available in the College bookstores: **VERSION V – ATI TEST OF ESSENTIAL ACADEMIC SKILLS (TEAS V) STUDY MANUAL.**

Students who have taken the TEAS® V at another institution should contact ATI at 1-800-667-7531 to have their score transcript sent to the Becker College Admission Department.

Refer to Clinical and Physical/Health Requirements in the Additional Requirements for ALL nursing programs section.
Prelicensure Bachelor of Science in Nursing (PL-BSN) Program Freshman Nursing Applicants
Academic Requirements:

In addition to the College admission requirements listed under Freshman Applicants, all prelicensure BSN applicants must:

- Complete one year of college preparatory secondary level science with a lab. This course must be completed within five years, with a minimum grade of C. A four-credit college course in science with a lab, with a grade of C or better with only one allowed retake, will also satisfy the prerequisite science requirement. It is strongly recommended that the nursing program science courses be completed prior to admission.

- Complete 2 years of college preparatory level secondary school mathematics including Algebra I and II or Algebra I and Geometry. Both courses must be completed within 5 years with a minimum grade of C. A three-credit college course in College Algebra within 5 years with a grade of C or better will also satisfy the prerequisite math requirement.

- Complete 3 years of secondary school English with a grade of C or better.

- One letter of recommendation of an academic nature may be required.

- All nursing applicants (freshmen, transfer or current students looking to change their major to nursing) must successfully complete either the ACT/SAT exam or the TEAS exam. Students who have an ACT Composite score below 19 or a SAT score below 900 on the SAT Critical Reading and Math sections must take and score proficient or higher on the TEAS exam as part of their application.

- Prelicensure BSN students are admitted to the fall semester. Students admitted in the spring or transferred into the nursing program may need to take additional courses or semesters to comply with the published curriculum plan.

- Due to the competitive application process only the most academically qualified students will be selected. Students who would like to prepare for the TEAS exam should utilize the TEAS resources cited below.

- Students taking the TEAS exam must achieve an overall score of Proficient or higher on the ATI Version V - Test of Essential Academic Skills (TEAS® V). Only two attempts to achieve the minimum benchmark score will be allowed. If needed, the TEAS requirement applies to all applicants to the nursing program (including internal and external transfers). It is strongly suggested that an applicant wait 45 days between TEAS exams.

The TEAS test is administered at Becker (fee required). Contact the Admission’s Office for more testing information. Information about the test content and resources to prepare for the exam can be found at https://www.atitesting.com/Solutions/PreNursingSchool/TEAS.aspx. A study guide is available in the College bookstores: VERSION V - ATI TEST OF ESSENTIAL ACADEMIC SKILLS (TEAS V) STUDY MANUAL.
Prelicensure BSN Admission into Year Three, First Semester Nursing Admission/Course Work Requirements:

- Successful criteria to progress to the third year (first semester of year 3/Fall semester) includes:
  - An earned College cumulative GPA of 2.0 or better.
  - Successful completion of prelicensure BSN curriculum plan science courses, with a final of C (2.0) or better for each science course, with only one allowed retake of each science course.
  - MATH2200 Statistics must be successfully completed with a grade of C or higher prior to the scheduled NURS3100 Research in Nursing course.
  - Achievement of a final course grade of C+ or higher in NURS1200 (Introduction to Professional Nursing) and NURS3002 (Complementary Alternative Modalities).
  - Successful completion of all courses (66 credits in the first 2 years of the published prelicensure BSN nursing program curriculum).

Bachelor of Science in Nursing (RN to BSN) Applicants

Students seeking admission to the Becker College RN to BSN program must meet the following requirements:

- Complete a RN to BSN application form
- Have graduated from a state approved regional college, (e.g. NEASC) and accredited associate nursing degree, [e.g. Accreditation Commission for Education in Nursing, Inc. (ACEN), or diploma registered nurse preparation program.
- Earned a 2.0 GPA from Accreditation Commission for Education in Nursing, Inc. (ACEN) accredited prelicensure registered nurse preparation program.
- Hold a current Massachusetts registered nurse license.
- Provide proof of current employment or work history as a Registered Nurse, if graduated more than 3 years ago.

Transfer Evaluation Criteria (RN to BSN)

1. Meet all Becker College associate degree nursing curriculum requirements, through graduation from the Becker College ASN program; e.g., 69 credits (39 nursing and 30 general education) (See Becker College ASN curriculum plan and Becker College RN to BSN program prerequisites).
2. Graduates from nursing programs other than Becker College may receive nursing credits for previous coursework in nursing toward their maximum of thirty-nine (39) predmission nontransferable nursing credits. Upon review and evaluation by the Nursing Department, nursing credits awarded will be applied to the predmission requirements.
   A. In order for previous nursing course work to be awarded credits, the applicant must have:
      i. Graduated from a state-approved ACEN accredited prelicensure nursing program within the past three (3) years, or have work experience as an RN
equivalent to 1000 hours within the past three (3) years which is documented by a letter from their employer.

ii. Their prelicensure nursing program official transcripts reviewed for comparability and relevance to the Becker College ASN required nursing courses.

B. Graduates who do not meet the criterion in 2.A. (above), who have less than 39 preadmission nursing credits, can earn the required credits through successful completion of:
   i. NLN Accelerated Challenge Exams (ACE) II, or
   ii. By completing approved Becker College nursing courses; e.g., NURS3200 Technology and Nursing Informatics

3. All preadmission nursing credits must be earned prior to being allowed to enroll as an accepted student in the RN to BSN program.

4. General education credits in the Becker College ASN curriculum plan may be transferred following review of the courses per Becker College transfer policy http://www.becker.edu/admissions/transfer-applicants. In order to be accepted into the RN to BSN program all of the general education credits in the Becker College ASN curriculum plan must have been completed and evaluated as transferable to Becker College.

*Recent ASN or diploma program graduates, providing they meet all other admission criteria, maybe conditionally accepted and allowed to enroll into the courses offered in the first semester of the RN to BSN program. However, a current MA licensure is necessary to be accepted into the RN to BSN program and in order to progress into the second semester.

Students who step out of sequence from the program will be withdrawn from the nursing program. Students who desire readmission to the program may reapply. All applications for readmission will be reviewed by the nursing program director and/or her designee.

Additional Requirements for ALL nursing programs

**Clinical and Physical/Health Requirements** for all nursing program applicants (ASN, Prelicensure BSN, RN to BSN, LPNs seeking admission with advanced standing, and transfers from other nursing programs).

All applicants for admission or transfer into any of the Becker College nursing program must meet the following requirements:

- American Heart Association Basic Life Support (BLS) for Health Care Providers – Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED) Certification

- **CORI and SORI Check**

In view of the licensure eligibility requirements for Massachusetts, all students in the Becker College nursing program must submit to a Criminal Offenders Record Investigation (CORI) and Sex Offender Registry Information Act (SORI) check upon admission to the program. The CORI and SORI may be repeated at intervals during the program, as clinical agency contracts require.
Any student whose CORI or SORI reflects conviction of certain offenses will be ineligible for placement at a clinical agency and, furthermore, may be excluded from eligibility for nurse licensure in Massachusetts, in accordance with the Massachusetts Board of Registration in Nursing Licensure Policy. Therefore, if there is a finding of an offense when the CORI or SORI is completed, the student may be unable to participate in a clinical assignment. However, participation in planned clinical experiences throughout the nursing curriculum is required so withdrawal from the nursing program may result. Acceptance into the course or program does not guarantee clearance for a clinical agency placement.

- **MA BORN Good Moral Character**

Misdemeanor and felony convictions, and discipline by a licensure/certification body are evaluated by the Massachusetts Board of Registration in Nursing to determine licensure applicant compliance with the “good moral character” licensure requirement established in the Massachusetts General Laws, Chapter 112, section 74 and 74A. [http://www.mass.gov/eohhs/docs/dph/quality/boards/nursing/nursing-good-moral-policy.pdf](http://www.mass.gov/eohhs/docs/dph/quality/boards/nursing/nursing-good-moral-policy.pdf)

- **Drug Testing**

As a result of some clinical affiliation requirements, all Becker College nursing students are required to have a comprehensive “10-Panel” urine drug screen with results provided to the Becker College Student Health Center and assigned clinical site prior to the beginning of their clinical work. Permission for release of results must be authorized, if required, to the assigned clinical site. If the student’s drug screen is positive, the student must submit written proof of a prescription for the appropriate medication prior to beginning clinical. Failure to disclose any of this information will prevent students from attending clinical and the completion of the course, which will result in dismissal from the nursing program. Students who are not cleared for clinical will not be eligible for readmission into the Becker College nursing program.

- **Medical / Health Requirements**

Clinical facilities may stipulate additional requirements for which medical documentation must be provided. Clinical sites require proof of student health and immunization status. This information is provided to affiliation offices before clinical clearance is granted. If this information is not disclosed, the student would be dismissed from the nursing program.

The Federal Center for Disease Control and the Massachusetts Department of Public Health define college health and immunization requirements.

Students are not eligible for participation in the nursing program without documentation of required health and immunization requirements (see below). The Student Health Record must be completed and submitted to Student Health Services prior to entry to the college. **No record = No clearance** for classes or clinical.

  o Massachusetts State Law requires that all health science students have a completed health form on file in the Student Health Office prior to the start of classes.
Any change in medical/health status must be reported to Student Health Services. Medical documentation must be provided that clearly identifies student limitations/restrictions and their ability to participate in all program activities. Examples of change in health status may include, but is not limited to: any physical injury that requires splint/brace/cast/sling, major illness, psychiatric instability, communicable disease, and pregnancy/delivery. Please notify Student Health Services for an individual consultation.

Significant changes in health status may affect the student’s ability to perform clinical functions. If determined that student or patient safety may be compromised, the student will be excluded from the clinical area until cleared by their healthcare provider. Clinical agencies will be consulted, as needed, to determine if student can participate in clinical assignments. The ability to participate in clinical assignments may result in withdrawal from the nursing program.

A physical exam less than one year before entering the college. Information submitted must include a medical clearance statement that allows participation in nursing program without restriction.

Immunization against Measles, Mumps, Rubella #1 and #2 or titers.

Varicella = chicken pox: Two doses of vaccine or titer to verify immunity.

A Tetanus, Diphtheria & Pertussis (Tdap) vaccine is REQUIRED for all nursing students with Td boosters every 10 years.

Hepatitis B series of 3 inoculations (first 2 must be one month apart and the last dose 6 months from the 1st dose). Proof of a positive (+) HepB IGG surface antibody is REQUIRED.

Tuberculosis evaluation in the form of “Two-step” PPD skin testing (2 separate skin tests, at least 3 weeks apart) followed by ONE skin test each year. If positive (+) skin test; copy of a negative chest x-ray report less than 5 years ago is REQUIRED.

A seasonal flu vaccine is required EVERY year. Students with past history of flu vaccine allergy must provide medical verification to Student Health Services.

Meningitis vaccine recommended, must provide copy of signed waiver if declined.

Documents may be faxed to Student Health Services at 508.892.9917 or scanned and emailed to nurse@becker.edu

Students are required to maintain his/her own copy of the Student Health Record and other requirements for their portfolio. Clinical sites require proof of student health and immunization status. This information is provided to affiliation offices before clinical clearance is granted. If this information is not disclosed to the clinical site, the student would be dismissed from the nursing program.
If at any time the nursing faculty determines that a student’s physical or mental ability may interfere with safe clinical performance, the student will not be allowed to remain in the clinical area. The Nursing Program Director will be notified and the future status of the student will be administratively determined.

- Essential Functions of a Nursing Student

The Massachusetts Nurse Practice Act describes the practice of nursing as involving cognitive, sensory, affective, and psychomotor performance requirements. These requirements, therefore, are necessary for participation in a nursing program. Listed below are the essential functions of a nursing student. Nursing students should possess and be able to demonstrate the following essential functions:

**Sensory**

1. Communicate in English effectively and accurately, both orally and in writing, to instructors, professors, clinical staff, patients, families, and all members of the health care team.
2. Hear a patient talk in a normal tone from a distance of 20 feet.
3. Hear all alarms on technical and supportive equipment set at a normal tone at a distance of 20 feet.
4. Listen and respond to distress sounds from patients.
5. Hear oral directions/requests from health care workers, patients, voice pages and telephone messages.
6. Accurately monitor blood pressure readings with a stethoscope.
7. Accurately distinguish breath, heart and bowel sounds.
8. Clearly visualize all written medical information pertaining to the patient.
9. Clearly visualize in order to assess all readings and functions of technical equipment pertaining to patient care, included, but not limited to, reading a computer screen with a size 12 font and visualizing IV infusion pump settings.
10. Clearly visualize all calibrated containers for the accurate measurement of body fluids, specimens, medication administration devices (syringes, pumps) parenteral fluids.

**Psychomotor – Gross Motor Skills**

1. Maintain sufficient strength to lift an average of 25 – 50 pounds safely protecting both yourself and the patient and those surrounding you.
2. Bend or stoop to assist patient with activities of daily living.
3. Crouch to plug in and manipulate electrical equipment.
4. Lift to safely transfer or position all patients in various situations.
5. Move, push or pull equipment, beds, stretchers, wheelchairs, etc.
6. Reach approximately 5-6 feet above the floor to relocate or attach equipment (i.e., oxygen, suction, IVs, etc.)


8. Walk/stand for extended periods and distances over an 8-hour period.

9. Sit in class/lecture for a minimum of 3 hours.

Psychomotor – Fine Motor Skills

1. Accurately manipulate dials, gauges, buttons and switches to set, monitor and care for all patient care related equipment.

2. Accurately administer sterile solutions without contaminating syringes, needles, solutions, etc.

3. Accurately administer all types of medications; ocular and topical, as well as oral and parenteral.

4. Safely and effectively perform complex dressing procedures without contamination to supplies and patient and surroundings.

5. Successfully don and remove protective apparel to maintain isolation guidelines.

Affective

1. Function safely, effectively and calmly under stressful situations.

2. Prioritize and manage tasks simultaneously.

3. Establish therapeutic relationships with patients and their families and all healthcare personnel and faculty.

4. Maintain personal hygiene consistent within dress code guidelines.

5. Display ethical attitudes and actions consistent with professional behavior in the healthcare and classroom setting.

6. Display the necessary social skills in order to behave with politeness, tact and sensitivity in others in all settings.

7. Exhibit social skills necessary to respect cultural and ethnic differences of patients, co-workers and all individuals in all clinical and classroom settings.

8. Remain free from chemical impairment in classroom and clinical settings at all times.

If a nursing student or applicant believes he/she cannot meet one or more of the standards without accommodations or modifications, the school must determine, on an individual basis, whether or not the necessary accommodations or modifications can be made reasonably (Refer to Collaborative Learning Center requirements).
Undergraduate admissions

For information about admissions requirements, including credit transfers, please call 877-523-2537, email admissions@becker.edu, or visit www.becker.edu.

Freshman Applicants: Veterinary Science

In addition to the requirements listed under Freshman Applicants, all Veterinary Program applicants must:

- Earn cumulative G.P.A. of 2.5 or better.

- Complete 2 years of college preparatory level secondary school science including Biology with a lab and Chemistry with a lab. Both courses must be completed within 5 years with a minimum grade of C. A four-credit college course in Biology with a lab and a four-credit college Chemistry course with a lab within 5 years with grades of C or better will also satisfy the Prerequisite science requirement.

- Complete 2 years of college preparatory level secondary school mathematics including Algebra I and II or Algebra I and Geometry. Both courses must be completed within 5 years with a minimum grade of C. A three-credit college course in College Algebra within 5 years with a grade of C or better will also satisfy the prerequisite math requirement.

- Complete 3 years of secondary school English with a grade of C or better.

- Based on placement test results, students may be required to take MATF1002, Math for Health Sciences, or ENGF1001, Foundations of Writing, concurrently with or prior to clinical courses. Early placement testing is advised to avoid delay in beginning clinical coursework.

- Students who do not meet the above criteria but satisfy the general admissions requirements of the college may be accepted as an Undecided student. They can then take the appropriate courses to allow them to meet the admission requirements of the Veterinary Science programs.

Non-traditional Applicants

Becker College encourages students who are beyond traditional college freshman age to feel comfortable with the admissions process. An applicant whose high school class has already graduated and who has no previous college experience is encouraged to apply. SATs may be waived.

International Applicants

Becker College welcomes international students and recognizes the contributions they make to the campus. In an increasingly global society, Becker values the opportunity to learn respect and understanding for differing world views, values and customs. This intercultural experience broadens and enriches all who participate. Becker College’s small class sizes and caring atmosphere make Becker a great place to study in the United States and, particularly, New England.

Applicants should have earned a minimum equivalent to a 2.0 GPA in the American grading system in secondary school. Upon commitment to Becker College, students will be sent an I-20 form and
instructions on how to apply for an F-1 student visa. For admission to Becker College, international students must submit the following:

- A completed application for admission and International Student Application Addendum.

- An official transcript of all secondary school grades (translated in English) and evaluated by an outside organization. A list of agencies can be found on the National Association of Credential Evaluation Services (NACES®) website (www.naces.org).

- Official college transcripts of all credits earned, translated in English and evaluated by a Credential evaluation service. Please visit www.naces.org for a list and websites of organizations.

- Official TOEFL (Test of English as a Foreign Language) score report if your native language is not English. Becker requires a minimum TOEFL score of 79/80 for the internet based TOEFL, 213 computer based or 550 paper based for admission. TOEFL scores should be sent directly to Becker College. The CEEB code is 3079. Testing must be within one year of application to Becker College. For TOEFL testing information please contact:

  Educational Testing Service  
P.O. Box 6155  
Princeton, NJ 08541-6155 USA  
www.toefl.org

- Financial documentation and completion of a Declaration of Finances form to indicate the ability to pay for tuition and living expenses of at least $49,000 (for 10 months) in US dollars.

- Deadlines for International applications are July 15 for the Fall semester and November 15 for the Spring semester. Deadlines are in place due to the potentially lengthy process of applying for the student visa at the embassy. International applicants are encouraged to be patient with the process of obtaining the student visa. Entering the country on a visitor’s visa with the intent to change to a student visa while in the United States is not advisable.

- Payment of the $200 SEVIS I-901 fee is required by the U.S. Department of Homeland Security by the international student when s/he receives the I-20.

**Transfer Admissions**

To be considered for admission, each transfer applicant must submit application materials as listed previously as well as the following:

- Official transcripts from all colleges and/or universities attended. Official transcripts are required for transfer credit evaluation and awarding of Becker College credits.

Students may transfer credits from other regionally accredited institutions and be eligible for the appropriate degree from Becker College, subject to meeting the following conditions:

Completion of a minimum of 30 credits at Becker College in order to be awarded a Bachelor’s degree, exclusive of any credits awarded for Prior Learning, AP, CLEP, or other acceptable sources.
A minimum of 15 credits of 3000/4000 level courses required for the major, and 9 credits for any minor, must be completed at Becker College. Transfer credit policies for graduate programs are determined by individual programs.

Grades of C or better from regionally accredited institutions are subject to the time restrictions below. A grade of P is acceptable, provided the transfer school’s transcript key lists a letter grade equivalent to a C. Foundations/developmental/preparatory courses will not transfer to Becker College for credit toward graduation requirements (see course description for notation of foundations/developmental/preparatory course type).

Courses must be similar in scope, breadth, and depth of content. Course descriptions and, at times, syllabi will be used as the basis for this determination. Courses must be within one level of the course at Becker College for which they will be used. Courses must have similar or greater prerequisites if they are to be considered for transfer from a lower level.

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Time Limits</th>
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</thead>
<tbody>
<tr>
<td>Technical courses</td>
<td>good for up to 5 years (science &amp; technology)</td>
</tr>
<tr>
<td>Professional course</td>
<td>good for up to 10 years (prefix-related or as specified)</td>
</tr>
<tr>
<td>General Education</td>
<td>no time limit (English/Math/Non-required Elective, i.e., Psychology, Sociology, Humanities, etc.)</td>
</tr>
</tbody>
</table>

Acceptance of transfer credits does not supersede time limits for prerequisite requirements, i.e. math and science as related to Nursing and Veterinary admissions requirements.

Transfer credit will not be computed into the student’s cumulative grade point average, including courses taken for “repeat” credit elsewhere.

Matriculated students should have courses evaluated for transferability prior to enrolling. Student should bring course descriptions to the Registrar, 47 Sever St., Worcester campus.

Becker graduates returning to earn another degree will have credits from the first degree applied toward the second degree where appropriate.

**Transfer Admission for Veterinary Science (from a Vet Science Program)**

For admission into the Bachelor of Science in Veterinary Science degree program, minimum criteria include:

- Graduation or completion of at least 60 credit hours from a fully accredited AVMA Associate’s Degree program in veterinary technology with a minimum cumulative grade point average of 2.5. The institution must also hold the appropriate regional accreditation.
- Completion of all associate level core veterinary technology courses at an AVMA accredited veterinary technology program with a grade of C or better.

Final selection of transfer students is based on the cumulative GPA of all completed undergraduate courses taken and a GPA calculated on all courses in the physical and biological sciences, mathematics and core veterinary technology courses. Students transferring with less than 60 credits toward an Associate’s Degree from an AVMA accredited program who meet all other admissions requirements will be reviewed on an individual basis.

- If transferring from a non-vet science program, transfer applicants must have a 4 credit college chemistry, biology and a 3 credit college algebra to meet eligibility.
Transfer Admissions to Nursing Programs (Prelicensure)

Transfers into a Prelicensure nursing program (ASN or PL-BSN) are considered for graduates of approved licensed practical nursing programs, students that have attended another nursing program or students who have attended other regionally accredited institutions. Applicants for transfer into the Becker College nursing program must meet the general requirements for admission to Health and Science programs, as well as the specific nursing program admission requirements.

1A. Transfer Admission from other Nursing Programs into the Associate Degree in Nursing (ASN):

In addition to the Health and Science programs and nursing program general admission requirements, candidates applying for transfer into the Associate Degree in Nursing program from another nursing program must submit to the Director of Nursing for review:

- A letter of recommendation from the Director of the nursing program where prior nursing courses were completed.
- An official transcript from the previous nursing program. Only first semester nursing courses equivalent to Becker College nursing courses (NURS1103: Essentials of Health Assessment and Promotion and NURS1104: Fundamentals of Nursing with a clinical experience) in which the candidate has achieved a grade of C+ or higher will be considered for transfer review.
- An official transcript indicating successful completion of the following first semester corequisite college courses:
  a) BIOL2503 Anatomy & Physiology I (4 credits)  
  b) ENGL1001 English Composition I (3 credits)
- A score of Level 2 or higher on the ATI RN Fundamentals of nursing exam for the NURS1104: Fundamentals of Nursing course, and successful score on the NLN Physical Assessment Exam for the NURS1103: Essentials of Health Assessment and Promotion course will be administered at Becker College.
- If unsuccessful on the ATI exam and/or NLN exam, the student will have to take the required nursing course exams and achieve a grade of C+ or higher at Becker College.

Nursing students are required to complete a minimum of 32 nursing credits at Becker College for the Associate Degree in Nursing.

B. Transfer Admission from other Nursing Programs into the Bachelor of Science Degree in Nursing (Prelicensure BSN):

In addition to the Health and Science programs and nursing program general admission requirements, candidates applying for transfer into the Prelicensure Bachelor of Science Degree in Nursing (PL-BSN) program from another nursing program must submit to the Director of Nursing for review:

Nursing students are required to complete a minimum of 46 nursing credits at Becker College for the Prelicensure Bachelor in Science (PL-BSN) Degree in Nursing.

- A letter of recommendation from the Director of the nursing program where prior nursing courses were completed.
- An official transcript from the previous nursing program indicating successful completion of the first two year PL-BSN curriculum.
- Only Junior year first semester nursing courses equivalent to Becker College nursing courses (NURS2103: Health Assessment & Promotion Across the Lifespan, NURS2400: Principles of Nursing Care with a clinical experience, and NURS3000: Introduction to Pharmacokinetics in)
in which the candidate has achieved a grade of C+ or higher will be considered for transfer review.

- A score of Level 2 or higher on the ATI RN Fundamentals exam for the NURS2400: Principles of Nursing Care course with a clinical experience, and successful score on the NLN Physical Assessment Exam for the NURS2103: Health Assessment & Promotion Across the Lifespan and Level 1 or higher on the ATI RN Pharmacology for the NURS3000: Pharmacology in Nursing will be administered at Becker College.
- If unsuccessful on the ATI exam and/or NLN exam, the student will have to take their required nursing course and achieve a grade of C+ or higher at Becker College.

2A. Licensed Practical Nurses (LPN Applying for Admission to ASN Program with Advanced Standing):

LPN candidates that have been approved for admission to the Becker College nursing program with advanced standing may also be required to complete additional pre-entrance requirements, i.e., complete assigned ATI tutorial program(s), competencies, and entrance exams.

LPN students seeking advanced admission into the Associate Degree nursing program must have:

- A letter of recommendation from the Director of the nursing program where prior nursing courses were completed.
- Current valid LPN license
- An official transcript from the LPN program with an overall GPA of 2.0.
- An official transcript indicating successful completion of the following first semester corequisite college courses:
  a) BIOL2503 Anatomy & Physiology I (4 credits)
  b) ENGL1001 English Composition I (3 credits)
- A score of Level 2 or higher on the ATI RN Fundamentals exam for the NURS1104: Fundamentals of Nursing course, and successful score on the NLN Physical Assessment Exam for the NURS1103: Essentials of Health Assessment and Promotion course exams will be administered at Becker College.
- If unsuccessful on the ATI exam and/or NLN exam, the student will have to take the required nursing course and achieve a grade of C+ or higher at Becker College.

B. Licensed Practical Nurses (LPN Applying for Admission to Prelicensure (PL-BSN) Nursing Program with Advanced Standing):

LPN candidates that have been approved for admission to the Becker College nursing program with advanced standing may also be required to complete additional pre-entrance requirements, i.e., complete assigned ATI tutorial program(s), competencies, and entrance exams.

LPN students seeking advanced admission into the PL-BSN Degree nursing program must have:

- A letter of recommendation from the Director of the nursing program where prior nursing courses were completed.
- Current valid LPN license
- An official transcript from the LPN program with an overall GPA of 2.0.
- An official transcript indicating successful completion of the first two year PL-BSN curriculum college courses
- A score of Level 2 or higher on the ATI RN Fundamentals exam for the NURS2400: Principles of Nursing Care course with a clinical experience, and successful score on the NLN Physical Assessment Exam for the NURS2103: Health Assessment & Promotion Across the Lifespan, and Level 1 or higher on the ATI RN Pharmacology for the NURS3000: Pharmacology in Nursing will be administered at Becker College.
- If unsuccessful on the ATI exam and/or NLN exam, the student will have to take their required nursing course and achieve a grade of C+ or higher at Becker College.

Additional Admissions Information

Advanced Placement

Becker College awards degree credit to applicants who have participated in the Advanced Placement (AP) Program of the College Entrance Examination Board for scores of 3 or better. Please forward official test results to the Admissions Office for consideration.

Campus Options

Students enrolling in programs on one campus may prefer to live on the other campus. This option can be requested on the application for admission or through the admissions office. A campus shuttle provides transportation between the campuses and runs on a regular schedule throughout the day. The majority of students will take classes on both campuses.

College Level Examination Program

Becker will accept College Level Examination Program (CLEP) examinations which will apply towards the transfer credit maximums. CLEP scores must be at or above the ACE recommended score to be eligible for college credit. The nearest CLEP test center for Becker College is Worcester State College. Contact 508-929-8072 for test dates and payment information. Indicate on the registration form the scores from the exam should be sent to Becker College. The institution code for Becker College is 3079. For more information see http://www.collegeboard.com/student/testing/clep/about.html.

Criminal Background Policy: CORI Policy and & SORI Policy

The College’s initial application for admission includes questions relating to past disciplinary violations at educational institutions as well as felony/misdemeanor infractions. Students who answer “yes” to any of these questions may be required to submit additional information as part of the application process. Some convictions and disciplinary violations may impact admission, licensure, clinical placements and/or program requirements. The applicant is responsible for understanding the impact this could have on his/her future goals.

Becker College supports the need to ensure the safety of the college’s collegiate partners. Students who practice internships and sometimes unsupervised activity with vulnerable populations (e.g. elderly, children, the disabled), may be required to undergo a CORI/SORI record check. The CORI/SORI check is not part of the admission process but is conducted after admission in programs such as Nursing. A felony conviction may affect a student’s ability for clinical placement and may prevent professional licensure. Any criminal charge may affect a student’s ability to complete clinical placement requirements and may affect initial professional licensure. For more information please see http://www.mass.gov/eohhs/docs/dph/quality/boards/good-moral-info.pdf
Declined Acceptance/Cancellation Policy

Accepted students who decline an offer of admission to Becker College are welcome to reapply. Applications will be reconsidered upon request for up to one year after the date of admission without an additional application fee. Deposited students who elect to cancel can request a deposit refund, in writing, up to May 1st. Please allow 30 days for processing. The deposit is non-refundable after May 1st.

Deferral Policy

Accepted students are permitted to defer their admission one time. Deferral requests are limited to either the first semester or the full year. Deferral requests of deposits after May 1st will not be granted. In this case, the deposit will be forfeited and the student will need to reapply for a future semester.

High School Students

Becker College has specific agreements to allow current high school students at Leicester High School and Worcester Public Schools to take courses at the college. Guidance counselors in these school systems have more information.

Students from other area high schools who would like to take a course may do so upon approval of the Registrar under non-matriculating student status. Financial Aid is unavailable for high school students. High school students may be required to meet with the Chief Academic Officer.

Home-Schooled Applicants

Becker encourages applications from home-schooled students, and makes every effort to accommodate the special circumstances of home-schooled applicants while in the application process. Students who have followed an approved home school program in accordance with the Massachusetts General Laws or the laws of their home state must show evidence that the home school program was approved by the student’s school district’s superintendent or school committee.

Students who have not followed an approved home school program will be evaluated on a case-by-case basis; in some cases, an official General Education Diploma (GED) may be required. Home-school applicants must follow the admission criteria for freshman (or transfer) applicants and submit the remaining necessary documentation.

Additionally, if the home-schooled student is under the age of compulsory attendance, which is sixteen (16) years old in Massachusetts, a letter from the student’s school district’s superintendent or school committee is required stating that the student is not considered truant and would not be required to attend further schooling or continue to be home-schooled if the student has completed his/her home school program before the age of sixteen (16).

The College reserves the right to limit or deny enrollment of any student under the age of sixteen (16) in a course or program based on a case-by-case consideration of a variety of factors, including but not limited to: the student’s maturity, life experience, placement test scores, prior education, course content, instructional methodology, and potential risks associated with participation in a particular course program.
International Baccalaureate

Students who successfully complete the higher level International Baccalaureate (IB) Diploma Programme and score a minimum of “4” on IB examinations are eligible for award of credit. Standard Level IB Courses will not receive credit for exams.

January Entrance

The college welcomes new freshmen and transfer students into the spring semester. Due to the sequential nature of some programs, however, those students entering Becker College in the spring may have to delay taking certain required courses in their major until the fall. Deposits for the January semester are refundable upon written request two weeks prior to the start of classes.

Non-Matriculating Student Status

Non-Matriculating student status is given to students wishing to take individual courses at the College without initially enrolling in a degree program. Students seeking Non-matriculating student status must be a high school graduate or have earned a GED*. Student will need to bring proof of graduation/GED to the Registrar’s office to enroll. Non-matriculating students may take up to 3 courses before they must enroll in a degree program. Students may enroll in courses as long as course prerequisites have been met. For approval, Non-matriculating students must submit documentation of prior course work to the Chief Academic Officer. All materials submitted in the application for Non-Matriculating student status will become part of the application folder when applying to a degree program.

*11th and 12th grade students may be permitted to take courses after submitting a written recommendation from his/her high school principal and guidance counselor, high school transcript, ability to take the course (meet the course Prerequisite or equivalent), potential Accuplacer testing and interview by the Chief Academic Officer.

Part-time Admission

Becker College welcomes part-time applicants. Any student enrolled in less than twelve (12) credits in a semester is considered to be part-time. For some programs, however, preference is given to full-time students. Part-time applicants will be notified of their status on a space-available basis during the late spring of the year of entry for fall admissions. Applicants for the spring term will be notified on a rolling basis if space is available.

Post-Decision Review

If selected for admission to the College, all students are expected to maintain an equal or superior level of academic achievement and behavior throughout the remainder of the year. The College reserves the right to rescind offers of acceptance if a) the final academic record is significantly lower than the record at the time admission was granted; b) information is misrepresented on the application; or c) misconduct.
Office of Administrative Services  
(Offices of Financial Aid, Student Accounts, Registrar)

Tuition, Fees, Room and Board Charges

Becker College is committed to helping students and their families afford a quality education. Financial assistance is available for all eligible students through federal, state and institutional aid programs. Financial aid comes in the form of grants, scholarships, student loans and work opportunities. The Offices of Financial Aid and Student Accounts are happy to discuss all available financing options with families. We will work with parents and students to ensure all costs are met. The Student Administrative Services building hours during the academic year: Monday – Friday 8:30 a.m. - 5:00 p.m.

Tuition, Fees, Room and Board Charges

Tuition, fees, room and board charges are posted to student accounts as they are assessed. Payments are applied to accounts when received by the Accounts Receivable area of Student Administrative Services. Students may call the office at 508-373-9437 with questions concerning their account. If calling from outside the Worcester area, the toll-free number is 877-523-2537.

Becker makes contracts with its employees in advance of the upcoming academic year; a practice common throughout higher education. It is for this reason that we ask new students for a commitment deposit. Moreover, when a student is enrolled, the signature of the student, his or her parents or guardian on the Application for Admission to the College is a firm commitment to pay for all fees and charges assessed. The Board of Trustees may adjust the fees charged in relation to variations in costs to the College. Students may not change resident status, living quarters, or meal plan without permission from the Director of Student Services. Students must maintain full-time status to remain in the residence halls.

Becker College Tuition Rate

The tuition per credit charge rate would remain at the locked rate during the student’s maximum years of eligibility regardless of the student’s enrollment status (Full-time, three quarter, half-time or less than half-time).

Becker College Institutional Financial Aid

- The final all-inclusive aid package of a student is the amount of institutional funds on the student’s account after the Add/Drop period of the Fall and Spring terms. If a student is selected for verification, all documents must be submitted and the student’s aid application considered complete by the Office of Financial Aid before a final award is considered frozen for the current academic year even if the application is completed after the semester’s Add/Drop Period. The student’s residency status (such as on-campus or off-campus) may also impact the final award amount offered to the student.

- Students must maintain Satisfactory Academic Progress (SAP) during the maximum years of eligibility in order to continue receiving both merit and need-based aid. Students who do not meet the SAP standards will no longer be eligible for merit and need-based aid for the remainder of the maximum years of eligibility. However, students may appeal to the
Office of Financial Aid to have this aid re-instated if there were extenuating circumstances which prevented the student from meeting the SAP standards.

UNDERGRADUATE PROGRAM EXPENSES

Financial Policies

The tuition, fees and other charges described are good faith projections for the academic year. They are, however, subject to change from one academic year to the next as deemed necessary by the College in order to meet its financial commitments and to fulfill its role and mission.

Application Fee

Becker College does not charge an application fee.

Commitment Deposits/Housing Deposits

A deposit of $300 is required for students enrolling at Becker College for the first time (new students, transfer students and non-degree-seeking students). This deposit is applied to the student’s account after charges are applied for the term. “This may be refundable prior to May 1st with proper notice to the Office of Admissions. An additional deposit of $100 ($400 for returning students) is also required for students who plan to live on campus. This deposit is applied to the dorm charge on the student’s account. This deposit is NON-REFUNDABLE if the student should choose to live off-campus or commute after paying the deposit.

A comprehensive list of charges can be found online.

Annual Tuition, Room, Board, and Fees for – 2015-2016 - New

Full-time Tuition .................................................................$32,500
Comprehensive Fee ............................................................$1,580
Standard Room.................................................................$6,050
Standard 19-meal plan.......................................................$6,350
Mandatory Health Insurance Fee..........................................$1,900
Global Poverty & Economic Inequality Course Fee.....................$1,000
Part-Time Tuition (per credit) .............................................$1,355
Standard Single Room Differential ($350 per semester).............$700

Additional Fees apply to nursing, design, equine and veterinary programs
Annual Tuition, Room, Board, and Fees for – 2015-2016 - Returning w/ start term 2014 Fall or 2015 Spring

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time Tuition</td>
<td>$31,320</td>
</tr>
<tr>
<td>Comprehensive Fee</td>
<td>$1,580</td>
</tr>
<tr>
<td>Standard Room</td>
<td>$6,050</td>
</tr>
<tr>
<td>Standard 19-meal plan</td>
<td>$6,350</td>
</tr>
<tr>
<td>Mandatory Health Insurance Fee</td>
<td>$1,900</td>
</tr>
<tr>
<td>Part-Time Tuition (per credit)</td>
<td>$1,305</td>
</tr>
<tr>
<td>Global Poverty &amp; Economic Inequality Course Fee</td>
<td>$1,000</td>
</tr>
<tr>
<td>Standard Single Room Differential ($350 per semester)</td>
<td>$700</td>
</tr>
</tbody>
</table>

Additional Fees apply to nursing, design, equine and veterinary programs

Annual Tuition, Room, Board, and Fees for – 2015-2016 - Returning w/ start term 2014 Spring or earlier

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time Tuition</td>
<td>$30,000</td>
</tr>
<tr>
<td>Comprehensive Fee</td>
<td>$1,580</td>
</tr>
<tr>
<td>Standard Room</td>
<td>$6,050</td>
</tr>
<tr>
<td>Standard 19-meal plan</td>
<td>$6,350</td>
</tr>
<tr>
<td>Mandatory Health Insurance Fee</td>
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<td>Standard Single Room Differential ($350 per semester)</td>
<td>$700</td>
</tr>
</tbody>
</table>

Additional Fees apply to nursing, design, equine and veterinary programs
Tuition and Fees for Part-Time Students

Students may enroll for a maximum of eleven (11) credits on a part-time or non-degree basis. Students who enroll on a full-time basis (12 or more credit hours), but who drop below this level after one week, will be treated as full-time students.

(NOTE: Dropping to a part-time status may cause an adjustment to your financial aid. Please contact the Financial Aid Office 508-373-9440, before you drop to part-time status to see how this impacts your financial aid.)

Please see the tuition and refund policy to determine if your charges will be adjusted.

Meal Plans and Charges

Every resident student is required to have a standard meal plan except Willow Hall Residents.

Off-campus students may participate if they wish. Meal plan services are not transferable between students. Upon financial clearance, each student will be provided with an identification card which doubles as their meal card. A comprehensive list of meal plans can be found online.

Health and Accident Insurance

It is Massachusetts mandate (http://www.mass.gov search QSHIP) that all registered students carrying at least 9 credits are automatically enrolled in a health insurance and accident plan at registration. The premium for coverage is added to the student’s tuition and fees billing statement. The student may waive the health plan by going to www.universityhealthplans.com and completing the required information. The cost for the health insurance is $1,515 for the 2015-2016 academic year.

Students who participate in Cooperative Education, Career Internship or Clinical Fieldwork may have additional expenses for uniforms, transportation, and malpractice insurance (for allied health majors).

Nursing Program

Nursing Program Fee (per semester) * ...........................................$1,000

Uniforms ...........................................$200

Travel Expenses ...........................................Varies

During the school year, the Nursing student will be involved in clinical settings. These clinical placements are normally secured by the College. Many of the affiliating facilities are not in the immediate Worcester area; travel by public transportation or personal car and parking is necessary. The student will be responsible for any additional expenses, in addition to the uniforms.

*Additional nursing fees are used towards lab supplies, ATI program supplies, malpractice insurance, CORI/SORI and Drug testing information.

Equestrian Program

Equestrian Facilities Fee (per semester) ...........................................$1,000
Design Programs
Design Program Fee (per semester).................................................................$400

Veterinary Programs
Veterinary Program Fee (per semester).................................................................$260

CENTER FOR ACCELERATED AND PROFESSIONAL STUDIES EXPENSES

Tuition charge through Summer 2015

Tuition (per credit charge).................................................................................$410

Tuition charge Fall 2015 – Summer 2016

Tuition (per credit charge).................................................................................$410

Health Insurance* – TBD

Note - The Commonwealth of Massachusetts requires all students enrolled at least three-quarter time (9 or more credits per semester) to be covered under an acceptable health insurance plan. Students enrolled at least three-quarter time will be automatically billed for the cost of the College insurance unless a health insurance waiver is submitted annually. The waiver may be completed online at www.universityhealthplans.com.

Payment Policy

Becker College accepts cash, checks, money orders, credit cards (Visa, MasterCard, American Express and Discover).

Payment can be made in person, by mail, or online. Payments made by cash, check, or money order are accepted at the Student Administrative Services office. In addition, payments can be mailed to Becker College, 61 Sever Street, Worcester, MA 01609. For proper allocation of funds it is required that payments are accompanied by the invoice payment stub and the student’s name and Becker student ID be written on the check.

Credit card payments and check payments are accepted online by logging onto Insite with the following link: https://insite.becker.edu

Payment must be made in full by bill due date for the next semester. Failure to comply could result in being removed from courses, housing and athletics.

Collections

Students will be charged for tuition and fees (as well as room and board for resident students) by Becker College when registering for their classes. In the event that they do not pay their tuition and fees and the college finds it necessary to send any unpaid balance (tuition, room, board and any other related fees) to a collection agency or attorney for collection, the student will be charged the collection fees.
and/or legal fees and court costs associated with the collection. These fees/costs will be added to the outstanding balance due to Becker College.

Late Fee

Payments received after the due date designated on the invoice may be subject to a $150.00 late fee. This late fee cannot be waived and is assessed each semester on any accounts that have a balance after the billing due date.

Returned Check Fee

Any student who presents to the College a check that is not accepted for payment by the bank because of insufficient funds, nonexistence of an account or other reasons for which the student is responsible is charged a fee of $25. The student must make payment by cash or certified funds equal to the total of the invalid check plus the fee to register for additional courses. In addition, a financial hold is placed on registration, academic transcripts and diplomas until the invalid check amount and fees have been paid.

Second Semester Entrance

The College welcomes new freshmen and transfer students in the spring semester. A reservation deposit of $300, with an additional deposit of $100 for students that plan to live on campus, is due within 30 days upon notification of acceptance. Written requests for a refund of the reservation deposit are honored up to two weeks prior to the start of classes.

Textbooks

Books and supplies may be purchased at the College bookstore on a cash or credit basis. Depending on the academic program chosen, the estimated cost for books and materials each semester is approximately $500.00.

Personal Property

The College endeavors at all times to protect the personal property of its students. In no case, however, will the College be held liable for losses or theft.

Automobile Policy

All students are permitted to have motor vehicles on campus, provided they are registered with Campus Police. Students who bring vehicles on campus do so at their own risk.

Withdrawal

Students may withdraw from the College only after completing a Student Change of Status form, which is available in the Registrar’s Office. All financial obligations to the College must be met before leaving. A student who withdraws without completing this process may jeopardize any plan to continue his or her education at Becker, as well as cause inconsistencies concerning records maintained at Becker College which may result in future discrepancies with regard to attendance or academic credit. The College reserves the right to require the withdrawal of any student for unsatisfactory academic work or for conduct detrimental to the spirit and operation of the College.
The date of withdrawal is the date when the official notice is receipted and received by the Registrar’s Office. Fee refunds for which the student is eligible will be determined by this date.

**Important:** If a student fails to formally drop/withdraw from a course(s), the student will be financially responsible for the charges whether or not he/she attends classes.

**Fee Refunds**

Refunds on tuition and fees for a complete withdrawal for will be made according to the following schedule. (*Students leaving the college for the registered term*)

- During the first week of class 85%
- During the second week of class 75%
- During the third week of class 50%
- During the fourth week of class 25%
- After the fourth week of class 0%

Refunds for room and board changes made throughout the semester will be made according to the following schedule except for Willow Hall (see Willow Hall policy below).

- During the first week of class 85%
- During the second week of class 75%
- During the third week of class 50%
- During the fourth week of class 25%
- After the fourth week of class 0%

Refunds for Willow Hall made throughout the building agreement will be made accordingly. Requests from residents for termination of their building agreement within the period covered under the terms of the agreement will only be considered for such reasons as complete withdrawal from the college or an extenuating circumstance. A student who breaches the agreement will not be granted a refund during the fall or spring semesters. Students entering into a new agreement for the fall semester who cancel the agreement before 8/1 will be fined accordingly:

- Prior to 5/1-no fine
- Prior to 5/31-$500
- Prior to 6/30-$1000
- Prior to 7/31 $1500
- After 8/1 billed for entire semester

During the spring semester students who request terminating their building agreement will be fined a $500 termination fee.

*Note: students living in Willow Hall who enter into a meal plan will not be granted a refund of any kind*

When Title IV financial aid is involved in helping a student meet the cost of attendance, Becker College will follow the refund policies that are mandated by the reauthorization of the Higher Education Act of 1992. All Title IV recipients will be refunded using the Federal Refund Calculation. Examples of these refund policies are available at the Becker College Financial Aid Office.
Any refund that includes Title IV aid will be restored to the programs in the following order:

Federal Unsubsidized Loan, Federal Subsidized Loan, Federal PLUS Loan, Federal Pell Grant, Federal SEOG, and others. After all federal aid has been returned, refunds will then be returned to state and institutional sources. Any remaining balance will then be returned to the student.

These refund policies are based on mandates issued by the U.S. Department of Education and guidelines issued by the American Council on Education in conjunction with the National Association of College and University Business Officers.

Financial Aid

Application Process - How to Apply

Students are encouraged to apply for financial aid and preference will be given to those who follow the application process described below and complete the steps by March 15 for the upcoming academic year. Students enrolling in January, and applying for spring semester financial aid, should complete the application process before December 1.

If you do not file your financial application in time to meet the priority deadline please know that you can still complete your financial aid file. Late applications will be reviewed in the order received and awarded on a funds-available basis.

In order to award financial aid monies as fairly as possible, the College requires that all aid applicants complete a Free Application for Federal Student Aid (FAFSA). Students must file the FAFSA online at www.fafsa.ed.gov.

Becker College's Required Title IV Code - 002123

Financial aid is not automatically renewed and students must apply for financial aid each academic year. The College reserves the right to adjust a student's financial aid award in terms of type and amount. All records kept by the Financial Aid Office remain in strictest confidence and we welcome you to contact the Financial Aid Office with any questions you may have regarding privacy policies.

Students are encouraged to investigate and apply for the scholarship program in their state as well as for those scholarships which may be available from community organizations, parents’ employers, etc. In some cases, the deadline for state scholarships may be as early as February 15 for September entrance. Check with the high school’s guidance office for applications and deadline information. The Internet can be a valuable resource for researching private scholarships. Please visit Becker College’s website at http://www.becker.edu/admissions/financial-aid/types-of-aid/outside-scholarships for links to scholarship search agencies and organizations.
Types of Aid

Scholarships and Grants

Government Programs

Federal Pell Grants
Awards through this federal program are based on financial need, and enrollment status. The maximum Federal Pell Grant award is $5,775 for the 2015-2016 academic year.

Federal Supplemental Educational Opportunity Grant (FSEOG)
Awards through this federal program are based on financial need, and enrollment status. The maximum Federal Supplemental Opportunity Grant award is $850 for the 2015-16 academic year.

MASSGrant
The MASSGrant is a grant assistance program funded by appropriations from the Massachusetts Legislature. The MASSGrant program provides need-based financial assistance to undergraduate students who reside in Massachusetts and who are enrolled in and pursuing a program of higher education in any approved public or independent college, university, school of nursing or any other approved institution furnishing a program of higher education. For more information please go to http://www.osfa.mass.edu/default.asp?page=massGrant.

Note – FAFSA must be submitted by May 1st in order to qualify for MASSGrant.

Gilbert Matching Scholarship Grants
A program of the Massachusetts Board of Regents of Higher Education, these awards are given to needy Massachusetts students. For more information please visit http://www.osfa.mass.edu/default.asp?page=gilbert.

MA Part-Time Grant Program
Demographic changes impacting current and future student population have a direct relationship to the number of part-time students who seek higher education. In Massachusetts, as in some other states, the number of part-time students has grown due to shifts in the states’ demographic and economic conditions. More adults now find themselves needing to return to the classroom on a less than full-time basis. The continuous increase in college costs is also requiring more students to reconsider their enrollment plans and to look at part-time programs as viable alternatives. The Commonwealth has recognized the above needs and established the Part-Time Grant Program to serve as a bridge between higher education opportunities and those segments of the Massachusetts population. For more information please visit http://www.osfa.mass.edu/default.asp?page=partTimeGrant.

Foster Child Grant
The Foster Child Grant Program was funded by the Massachusetts Legislature in 2001. The program provides grants of up to $6000 annually for foster children to help pay for an education beyond high school at any institution of higher learning throughout the continental United States. The Foster Child Grant recipient must have signed an agreement with the Department of Children and Families for care and services beyond age 18. For more information, please visit http://www.osfa.mass.edu/default.asp?page=fosterChild
**Becker College Programs**

A student must be enrolled full time in a Day Program, or at least 7 credits in our nursing program, to be eligible for Becker College scholarships and grants. Students enrolled part time in our Nursing Programs will receive pro-rated aid based on the number of registered credits within each term.

**Named Merit Scholarships**
These types of scholarships are awarded by the admissions office and are based on several factors - incoming GPA, SAT, Major and admit status. These awards can range from $1,000 to $15,000. In order to renew these scholarships, a student must be in a satisfactory status for Satisfactory Academic Progress.

**Becker College Grant**
The Becker College Grant is a need based grant given by the college to help needy families with the cost of a private school education. These awards are made when a student files a FAFSA, and will not be awarded unless a FAFSA is filed. This award is guaranteed under the Be Affordable program, as long as the student remains full time and does not change residency status.

**Becker Family Grant**
A 10 percent tuition discount granted to all students when two or more dependent students from the same family are full-time students in Becker’s day division.

**Endowed Scholarships**
Endowed Scholarships are awarded to students on the basis of merit, financial need and/or the restrictions set at the establishment of the fund. To see a complete listing of these awards, please visit [http://www.becker.edu/admissions/financial-aid/types-of-aid/types-of-aid-undergraduate-day-students/](http://www.becker.edu/admissions/financial-aid/types-of-aid/types-of-aid-undergraduate-day-students/)

**Army/Air Force ROTC**
In cooperation with Worcester Polytechnic Institute (WPI), the Army Reserve Officer Training Corps (ROTC) Program is offered to qualified Becker College students. As a member of the Colleges of Worcester Consortium, Becker College students are eligible to apply for Army ROTC at WPI. [http://www.becker.edu/admissions/financial-aid/types-of-aid/outside-scholarships/army-rotc-scholarships](http://www.becker.edu/admissions/financial-aid/types-of-aid/outside-scholarships/army-rotc-scholarships)

**Yellow Ribbon GI Educational Enhancement Program (Yellow Ribbon Program)**
The Yellow Ribbon Program is a provision of the Post-9/11 Veterans Education Assistance Act of 2008. Qualifying eligible veterans, their dependents, or spouse may receive 100% of Becker College tuition and fees assistance through receipt of a combination of Post-9/11 Veterans Educational Benefits, the VA Yellow Ribbon Program, and Becker College’s Yellow Ribbon Award Program. This tuition and fees benefit program includes both undergraduate full and part-time enrollment. Only individuals entitled to the maximum benefit rate (based on service requirements) may receive this funding. Determination of a veteran’s eligibility is made by the VA and the veteran must file an online application with the VA ([www.gibill.va.gov](http://www.gibill.va.gov)).

Beyond the GI Bill or other VA educational benefits, most student veterans may be eligible for financial aid such as federal or state grants and Federal Direct student loans. Student veterans may also be eligible to receive a Becker College Scholarship or merit award, as determined through the admission process. However, VA benefits supersede Becker aid consideration. When a veteran receives 100% in tuition benefits through the GI Bill or other VA education benefits they will not receive additional Becker College financial aid or scholarships above the cost of tuition and fees. Submitting a FAFSA and

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determining financial aid eligibility can assist in helping veterans pay for college once their GI bill or other VA education benefits have been considered.

**Center for Accelerated and Professional Studies Scholarships and Grants**

**Early Childhood Educators Scholarship**
The Early Childhood Educators Scholarship provides financial assistance for Massachusetts residents who are currently employed as early childhood and out-of-school-time educators and providers. Students must enroll in an associate or bachelor degree program (full-time or part-time) in early childhood education or related programs. In addition, they must be employed by their employer for at least one year and the employer must be licensed or authorized by the Massachusetts Department of Early Education and Care (EEC). Students must continue employment in this field while pursuing the approved course of study. All eligibility requirements and application information can be found at www.osfa.mass.edu.

**Paraprofessional Teacher Preparation Grant**
The Paraprofessional Teacher Preparation Grant provides financial assistance to Massachusetts residents who are currently employed as paraprofessionals in Massachusetts public schools, but wish to become certified as full-time teachers. Students must be enrolled in an undergraduate degree program (full-time or part-time) leading to teacher certification. In addition, they must be employed for a minimum of two years as a paraprofessional in a Massachusetts public school. All eligibility requirements and application information can be found at www.osfa.mass.edu.

**Aid to be Earned as Wages**

**Federal Work-Study Program**
Students awarded Federal Work-Study (FWS) have the opportunity to earn the amount of their award by working on campus. Work-study students will receive a paycheck every two weeks. Most students work 6-10 hours per week while school is in session to earn their awards. Students are encouraged to use the monies from this program to offset any personal expenses. To view job postings please visit http://www.becker.edu/admissions/financial-aid/types-of-aid/fws/

**Loans to be Repaid**

**Federal Direct Loan**
The Federal Direct Loan is a loan and must be paid back. The Direct Loan interest rate is a fixed rate of 4.29% for undergraduate students and 5.84% for graduate students. There is a 6-month grace period before repayment begins once the student is no longer enrolled in college. Federal Direct Loan lenders may retain up to 5% in fees; therefore, the actual amount the student receives may be less than the amount borrowed. Direct Loans are electronically disbursed in two equal disbursements to the student’s account.

There are two types of Federal Direct Loans: The Subsidized and Unsubsidized Loans. Recipients of Federal Stafford Loans must be enrolled in school at least half-time (6 credits).
Federal Direct Subsidized Loan is a loan program through which the government pays the loan interest for the student while the student is in school.

Federal Direct Unsubsidized Loan is a loan program through which the student pays the loan interest while the student is enrolled or the student can elect to have it capitalized once upon graduation.

Federal Origination Fees

Fees vary by loan type. The origination fees for 2015-2016 are:

1. Direct Student Loans:
   - 1.073 if loan is first disbursed between 10/1/14 and 9/30/15
   - 1.068 if loan is disbursed on or after 10/1/15

2. Direct Parent and Graduate PLUS Loans (PLUS hereafter):
   - 4.292 if first disbursed between 10/1/14 and 9/30/15
   - 4.272 if first disbursed on or after 10/1/15

This fee will be deducted from each disbursement and paid to the federal government. Dependent undergraduates can receive up to $3,500 as a freshman, $4,500 as a sophomore and $5,500 as a junior, senior, or fifth year senior. Dependent students may also receive $2,000 in an unsubsidized federal loan. Independent undergraduates can receive up to an additional $6,000 for their freshman and sophomore years and $7,000 for their junior, senior and fifth year senior years.

Federal Parent Loans For Undergraduate Students (PLUS)

Parent Loans for Undergraduate Students (PLUS) enable parents of dependent undergraduates to borrow an amount equal to the cost of attendance, less other financial aid. The interest rate is fixed at 7.21% and parents can defer their loan payments while the beneficiary student remains in school at least half time up until six months after your dependent student graduates, leaves school, or drops below half-time.

Should you choose to defer payments during the in-school period and/or the six month post-enrollment period, you will receive quarterly interest statements and have the option to pay the accrued interest. If you don't make such interest payments, currently any unpaid accrued interest will be capitalized (added to the principal loan balance) at either the end of the in-school deferment or, if taken, the end of the six-month post-enrollment deferment, increasing the overall loan costs. Sallie Mae reserves the right to capitalize interest as often as quarterly.

Massachusetts No Interest Loan

This loan program is sponsored by the Commonwealth of Massachusetts. It is available to residents of the Commonwealth who have demonstrated financial need.

Alternative Loans

Becker College participates in alternative loan programs through a number of lenders. Loans are available for both students and parents. For more information please contact the Financial Aid Office.
Satisfactory Academic Progress

The College, in accordance with federal regulations, requires all students who receive federal financial assistance to maintain a minimum 2.0 cumulative G.P.A. and successfully complete 67% of the credits they attempt.

- **Full-time student:** 12 credits per semester
- **Three-quarter-time student:** 9 credits per semester
- **Half-time student:** 6 credits per semester

The complete academic progress policy is included with each financial aid award letter.

SAP Review

- SAP is reviewed at the conclusion of each semester (e.g., fall, spring, summer).
- Possible SAP Statuses
  - **SAP Met.** All components of SAP are met; the student continues to be eligible for federal student aid.
  - **Warning.** If the student fails to meet any one of the required SAP components, the student will be placed on Financial Aid Warning for one semester. The student continues to be eligible for federal student aid.
  - **Ineligible.** The student fails to meet SAP requirements after the Warning semester, the student is no longer eligible to receive federal student aid.
  - **Probation.** A student whose SAP status is Ineligible may appeal for reinstatement of federal student aid eligibility. If an appeal is approved, the student is placed on probation for one semester. Limitations: A student may only be on probation for two consecutive terms; and four terms overall.

Appeal Process

- **Acceptable Circumstances**
  - Personal injury or illness
  - Family injury, illness or other emergency
  - Death of close relative
  - Other extenuating circumstances.
- **Required Documentation.**
  - SAP Appeal Form. Students must complete SAP Appeal Form, attach required documentation and have the form signed by an Academic Advisor.
  - Letter from Student. Letter must include explanation of why student failed to make SAP, how the circumstances that led to failure to make SAP have changed so as to allow the student to make SAP according to the required academic plan. Students are encouraged to provide documentation supporting extenuating circumstances specified in their letter.
  - Academic Plan. Academic Advisor and student must devise an academic plan that provides a roadmap for the student to make SAP within two consecutive semesters.
- **Submission Deadline**
  - SAP Appeal requests must be submitted at least a week prior to the first week of classes of the term for which a student has been deemed ineligible.
- **Appeal Decisions**
  - SAP Appeal Committee will review all requests for reinstatement. The committee decision will be rendered within one week of receipt of all required documents. Possible outcomes are:
Approved. Upon the basis of the academic plan, the committee decides to reinstate financial aid for one semester (probation).

Denied. The committee decides not to reinstate the student’s federal, state and institutional financial aid. The student is obligated to make alternative payment arrangements. If the student meets SAP requirements in a future term, aid can be reinstated.

- Notification
  - SAP Appeal Committee decisions will be communicated to the student in a letter.

Common Situations Affecting SAP Status
- Incompletes, Failing Grades, Withdrawals. Reduce the student’s rate of progress because these grades count as attempted, but are not included as earned credits. These credits are also included toward the maximum credits allowed.
- Pass/Fail Courses. Count as attempted credits and are included toward maximum allowed credits.
- Repeated Courses. Count as attempted credits, but only once are they counted as earned credits. Each repeat is included toward the maximum allowed credits.
- Transfer Credits. All transfer credits accepted at the College are counted as both attempted and earned and are included toward the maximum allowed credits.

For the most recent information on Becker College’s SAP policy, please refer to our website at http://www.becker.edu/admissions/financial-aid/tools-and-policies/satisfactory-academic-progress.
Student Affairs

As a college whose priority is being responsive to the student’s needs, we strive to focus on the whole student. The goal of Student Affairs is to support each student’s academic experience by providing an environment in which the student can grow intellectually and mature emotionally. Opportunities for extracurricular involvement are plentiful on and off campus. Students are invited to participate in numerous activities that enrich learning and enhance personal development. They are encouraged to get involved and have fun. Due to the fact that student interests vary from year to year, new ideas and suggestions are always welcome. Movies, entertainers, dances, trips, guest speakers and special events are offered, both on campus and off, for student participation and enjoyment. A campus activities calendar is featured on the college website listing all upcoming events.

International Students

Becker College welcomes international students and recognizes the contributions they make to the campus. In an increasingly global society, Becker values the opportunity to learn, respect, and develop an understanding for differing worldviews, values and customs. This intercultural experience broadens and enriches all who participate. Becker College's small class sizes and caring atmosphere make Becker a great place to study in the United States and, particularly, in New England. Adjusting to a new culture can sometimes be a challenge. Becker College has an international student advisor to assist our international students with all academic, social and personal matters.

Athletics

Becker offers a diverse athletic program that enjoys a widespread reputation for successful intercollegiate competition.

The Hawks compete in the National Collegiate Athletic Association (NCAA, Division III), the Eastern College Athletic Conference (ECAC), Eastern Collegiate Football Conference (ECFC), the New England Collegiate Conference (NECC), and the Intercollegiate Horse Show Association (IHSA). Becker takes pride in providing the opportunities for men and women to improve their abilities and to experience the satisfaction of personal growth.

The College sponsors 17 intercollegiate men’s and women’s teams. Students from either campus are eligible to compete. Students must maintain enrollment in 12 or more credit hours of college work as listed in the College catalog during each term of athletic participation. All student-athletes must also be making progress toward a bachelor’s degree. Student-athletes must be academically and athletically eligible in order to participate.

Athletic teams for men:
Baseball – Rochdale Park, Leicester, MA
Basketball
Football
Golf – Leicester Country Club
Ice Hockey – New England Sports Center, Marlborough, MA
Lacrosse
Soccer
Tennis
Athletic teams for women:
Basketball
Equestrian – Bonanza Farm, Paxton, MA
Field Hockey
Ice Hockey – New England Sports Center, Marlborough, MA
Lacrosse
Soccer
Softball – Russell Field, Leicester, MA
Tennis
Volleyball

Becker makes financial assistance available to all qualified students. For additional information and current athletic schedules, contact the Admissions Office or the Athletic Office.

The College’s athletic facilities are available for student use throughout the week. The Leicester campus boasts alumni fields, a modern, fully equipped gymnasium that incorporates two full basketball courts, and a new state-of-the-art fitness center.

Becker College compiles an annual report to describe its compliance with the Equity in Athletics Disclosure Act (EADA). Information regarding the intercollegiate program is available for review upon reasonable advance request of the Athletic Director.

Campus Activities & Student Leadership Development

The Becker College Campus Activities and Leadership Development (CASL) Office is responsible for the planning and implementation of a vibrant student activities program, directly and through various student organizations. We strive to enhance the overall experience for Becker College students through a variety of social, educational, and cultural programs. The Becker College student experience provides numerous opportunities to get involved and to follow your passion. Becker College empowers you to take initiative, get involved, and be a leader. Be the change.

CASL is located on the second floor of the Fuller Campus Center on the Leicester campus. This office is responsible for advising all student organizations (including the Campus Activities Board and the Student Government Association), oversight of the Fuller Campus Center and its student employees, all student leadership programs, Fitness & Wellness programs on both campuses, and large programs such as New Student Orientation, Family Weekend, Winter Carnival, Spring Fest and Spring Ball.

Campus Activities Board (CAB)

Campus events and programs for Becker College students are planned by Becker College students. The Campus Activities Board (CAB) is a student organization that works in conjunction with Campus Activities and Student Leadership Development to plan activities and events for all students at Becker College. CAB provides student-led social, cultural, and educational events for Becker College students in line with the College’s goals and mission. Any Becker College student can join CAB and participate in the planning process for events. A complete listing of meeting times and locations can be found on the CAB website at http://www.becker.edu/student-life/student-activities/campus-activities-board/.
Student Government Association (SGA)

The Becker College Student Government Association (SGA) serves as the official voice of all Becker College students. The SGA protects and promotes the best interests and rights of the student body, and serves as the liaison between the students and the College administration. In addition, SGA works with student groups to enhance the overall student experience and promotes the name of the College through community service activities. Officer and representatives are chosen each academic year through general elections. Meetings are held on a weekly basis and open to all students. A complete listing of meeting times are locations can be found on the SGA website at http://www.becker.edu/student-life/student-activities/student-government-association/.

Student Organizations and Clubs

There are many interesting student organizations and clubs to choose from at Becker College. It is also very easy to start a club if you have a special interest that you think other Becker College student will enjoy! The Office of Campus Activities and Student Leadership Development is here to support all student leaders. The staff in our office is available to meet with any student who wants to explore the opportunities to get involved on campus. Student leadership is a great way to get involved on campus and develop skills that you will use to flourish at Becker College and beyond! A student organization fair is held at the beginning of each semester, and provides students an opportunity to learn more about existing clubs and opportunities. A complete listing of all current student organizations can be found here: http://www.becker.edu/student-life/student-activities/clubs-organizations/.

Fitness and Wellness at Becker College

Becker College is committed to health of the whole person: physical, emotional, and spiritual. Classes are offered every semester in areas that students request such as yoga, Zumba, P90X, dance classes, and personalized strength training. Additionally, intramural sports are also offered on a rotating basis depending on the season and student interest. Intramural sports are a great way to participate in sporting activities regardless of personal skill level. Past intramural sports offered include football, basketball, dodge ball, and bowling. Learn more about Fitness and Wellness here: http://www.becker.edu/student-life/health-wellness/

Counseling Services

Counseling services are offered to all full-time students at the college to aid in the attainment of students’ academic, vocational and personal goals. Counseling offices on each campus provide services to help students resolve problems, learn new skills, and grow emotionally and socially. Counseling sessions are free and confidential. Counseling records are never made a part of academic records or transcripts. Services include:

- **Individual and Group Counseling** Individual counseling is available to assist students in resolving personal problems and to help them to make the most of their college experience. Support groups and educational groups on a variety of topics are also offered throughout the year.

- **Consultation/Referral** Students sometimes require medication or other services not available on campus. Counseling Services staff are available to make referrals to community resources.
Educational Programming: Workshops and seminars are offered throughout the year to encourage learning outside the classroom. Offered in conjunction with other Student Affairs departments, topics may include stress management, depression screening, violence prevention and others.

Further information can be obtained by visiting the counseling webpage at: http://www.becker.edu/student-life/health-wellness/counseling-services.

Health and Wellness Services

The Student Health Services Department at Becker College offers a multidisciplinary model of health care. A variety of beneficial services are available to the student which includes educational health promotion that supports the optimal health and wellness of our entire college community.

The Student Health Services office is located on the Leicester Campus on the first floor of the Campus Center West. For your convenience, shuttle services are available from the Worcester Campus on a regular basis.

The office is staffed by registered nurses under the direction of a physician medical director. The hours of operation are Monday through Friday 9:00 a.m. – 4:00 p.m. when classes are in session. The college physician is available by appointment on Tuesday afternoons from 1:00 p.m. – 4:00 p.m. On-site services include: medical treatment for most minor injuries and illnesses, limited immunizations and over the counter medications, health education and wellness promotion. Please call 774-354-0471 for more information and/or an appointment.

For the health and safety of our entire college community, completed Student Health Records are required before arrival to campus. Students who have not supplied the required medical information may be prohibited from registering for classes and/or moving into campus housing.

Student Health Records are maintained in a secure and locked facility. Records are kept strictly confidential and are never part of a student’s academic record or transcript. Records can only be released with a signed consent from the student.

Services are provided at no additional charge for active Becker students regardless of individual insurance type. In order to receive safe and proper treatment, students must have a complete medical record on file and be compliant with state mandated requirements, which can be found at www.becker.edu/student-life/health-wellness/.

Students MUST maintain active health insurance status throughout the entire year. All students registered for 9 or more credits are automatically enrolled in the Becker-sponsored accident and sickness plan. If you have other coverage that is comparable or better than this plan you may waive the school plan or you may pre-enroll in the insurance plan please visit www.universityhealthplans.com. If your insurance is cancelled or dropped for any reason, please immediately notify Student Health at 774-354-0464 or Student Accounts at 508-373-9434.

Extended Medical Absences: Please notify our office of absences greater than 3 days. Medical documentation must be provided for any absence > 3 days. To maintain your privacy and confidentiality, please do not give medical notes directly to your professors. Students are responsible for reviewing the absence policy for each class (found on syllabus) and for contacting individual professors for all missed work. Medical absences may still be considered unexcused; please discuss attendance.
concerns with your professor. **Student Health does not provide absence notification for health-related issues that are less than 3 days in duration.**

For more information, please visit our Student Health webpage at [www.becker.edu/student-life/health-wellness](http://www.becker.edu/student-life/health-wellness).

**Residence Life**

The Office of Residence Life has a strong commitment to creating an environment in the residence halls that will assist students in their growth and development. Effort is made to create an environment that encourages academic excellence, social competence, independence and a sense of community living. A well-trained staff including Area Coordinators, Graduate Assistants and Resident Assistants will provide programming, guidance and support to the resident hall community. When these activities are combined with the active participation of the residents, the halls become more than just places to sleep; they become living and learning environments.

Residents are encouraged to be actively involved in their resident hall and connect with the Residence Life Staff and take advantage of the knowledge, experience and enthusiasm that they provide.

The Department is staffed by a Director of Residence Life and Student Conduct who provides leadership to the department and coordinates the student conduct system. He supervises the Assistant Director who performs the operations of the department, housing assignments, billing, room changes, summer housing, damage billing and opening and closing of the halls. The staff supervise Resident Assistants, adjudicate allegations of student misconduct, and provide opportunities for community building in the residence halls.

**Campus Police**

The Becker College Campus Police Department is staffed by sworn and licensed Special State Police Officers with full police powers under Massachusetts General Law Chapter 22C, Section 63 as well as a supplement of trained security officers. The mission of the department is to provide a safe and secure environment for the entire college community in order to support the educational process, as well as each individual’s rights. The Becker College Police Department provides coverage seven days a week, 24 hours a day, 365 days a year on the Worcester & Leicester Campuses.

For a full account of crime statistics in accordance with 20 US Code Section 1092(f) please review the Becker College Annual Security and Fire Safety Report at the following website.

[http://www.becker.edu/about/offices/offices/campus-police/safety-report](http://www.becker.edu/about/offices/offices/campus-police/safety-report)

This information is provided in accordance with the "Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act".

**Career Education**

The mission of Career Education at Becker College is to educate students on how to successfully manage their careers throughout their life in an ever-changing world. We encourage experiential learning, provide resources and teach students the skills necessary to begin and continue satisfying
careers. Through a variety of programs, workshops, career courses and internship opportunities, Becker students are prepared for a variety of career opportunities.

Career Education staff are committed to guiding students towards exploring career fields of interest, preparing for and conducting internship and job searches, creating meaningful connections with employers and encouraging community social responsibility.

Students are encouraged to begin the career development process with Career Education as early as their first year by making an appointment with a career counselor to discuss their major and career options, sophomore year to fine tune resumes and cover letters and participate in a career course, junior year to pursue internship opportunities and senior year to understand the job search process and power of networking. Throughout the course of their four years, students will have numerous opportunities to participate in career learning experiences and interact with industry professionals and alumni.

Alumni Association

A population of more than 20,000 alumni represents a Becker community in all 50 states and in 30 countries. The Alumni Office continually reaches out to that population with the help of an active alumni board of directors. The Athletic Hall of Fame, the Alumni Admissions Volunteer Program, the D. Llewellyn Evans Scholarship Fund, Alumni Homecoming, Golden Years Luncheon, and various regional events are the major initiatives coordinated by the office and the board to support alumni and the College. The Alumni Office publishes the magazine, Becker Bridges, throughout the year, to keep graduates and the greater community in touch with developments at Becker.
Academics

For the most up-to-date information regarding Becker College’s Policies, please see our website at http://www.becker.edu/academics/academic-resources/academic-policies.

Student Rights and Responsibilities

Statement on Student Rights

Becker subscribes to the American Association of University Professors, et al., “Joint Statement of Rights and Freedoms of Students.” The following points are especially noteworthy:

Freedom to Learn

Students should be free to take reasoned exception to the data or views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for maintaining the standards of academic performance established for each course in which they are enrolled.

Freedom of Association

Students bring to the campus a wide variety of interests previously acquired and develop many new interests as members of the academic community. They should be free to organize and join associations to promote their common interests.

Freedom of Inquiry and Expression

Students and student organizations should be free to examine and discuss all questions of interest to them and to express opinions publicly and privately.

Student Access to Educational Records – Notification of Rights

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. Educational records are defined as”...records, files, documents, and other material...which contain information directly related to a student...Educational records do not include personal files of faculty and administrative personnel, law enforcement records, medical records, or parents financial records.”

FERPA gives parents certain rights with respect to their children’s education records. These rights transfer to the student when s/he reaches the age of 18 or attends a school beyond the high school level. Students to whom the rights have transferred are "eligible students.” Per the Act, a student may inspect and review their education records, may seek to amend those records, and may limit disclosure of information from the records.
Release of Records Form

Each student has the option to file a Release of Records Form with the Registrar’s Office. The form will allow college officials to speak to the individuals identified on the form about the student’s educational records. Particulars may include academic standing, grades, class attendance, disciplinary issues and financial obligations. If the student chooses not to complete the Release of Records Form, it may limit the College’s ability to contact others in the event of an emergency.

Disclosure of educational records without the written consent of the student is prohibited except in certain instances as permitted by the FERPA (http://www.ed.gov/policy/gen/guid/fpco/ferpa/students.html). Becker College will, with proper documentation and a written request, disclose student academic education records to the parents of a dependent student (Becker must have proof of dependency via signed IRS Tax forms on file, or parent/guardian will have to submit). For student financial education records, if proof is already on file, the Financial Aid and Student Accounts offices will speak to the parent named on the Free Application for Federal Student Aid (FAFSA) without a special written request, however, you may be asked to verify your identity.

Any other release of non-directory information will be granted per the student’s consent on the Release of Records Form as noted above. For the protection of the student, a photo ID may be requested before any non-directory information is released, even to the student.

Directory Information
Becker College designates the following categories of student records information as directory information:

- Student’s full name
- Local address/permanent/campus mailing address/email
- Hometown
- Place of birth
- Major field of study
- Status (full- or part-time); class level (FR/SO/JR/SR)
- Participation in officially recognized clubs/activities/sports
- Most recent previous school attended
- Members of athletic teams (height included)
- Dates of attendance
- Degrees, honors and awards received
- Photographs

Directory information will be disclosed by Becker College without prior consent of the student. If the student wishes to restrict the release of Directory Information, s/he must inform the Registrar’s Office in writing.
Academic Information

Academic Credits

Federal Definition of a Credit Hour:

...an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutional established equivalence that reasonably approximates not less than:

(1) One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or

(2) At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Learning Modalities

Courses may be offered in different learning formats such as online learning, hybrid, or the traditional face-to-face format. Equivalent work as described above is expected and the same course objectives should be met.

Distance learning is an educational process in which the majority of the instruction occurs when a student and instructor are not in the same place. Instruction may be synchronous or asynchronous. Distance education may employ correspondence study, audio, video, and/or computer technologies.

Hybrid learning is a blend of face-to-face instruction with online learning.

Academic Honesty

The College is committed to creating a community that acts with honesty and forthrightness, holding ourselves to high academic and ethical standards, and treating with everyone in a respectful manner.

Academic honesty is essential to the intellectual health of a college and the ideals of education. Honesty and integrity are fundamental values that guide and inform us as individuals and as a community. Becker College expects students to be honest and to conduct themselves with integrity in all aspects of their relationship with the college. Examples of these are application, transfer evaluation, academic progress review, credit and non-credit bearing experiences, including regular course work, independent studies, internships, practica, student teaching, and interactions with faculty, staff, and students. Any form of dishonesty, academic or otherwise, adversely affects the educational function of the College and undermines the integrity of its programs.

Some actions cannot be tolerated because they seriously interfere with the basic purpose and processes of an academic community, or with the rights accorded other members of the community. By formulating a general code of ethics, rights, and responsibilities, the College reaffirms the principle of student freedom coupled with personal responsibility and accountability for individual action and the consequences of such action.
Students are not only members of the academic community but also members of the larger society. Thus they retain the rights, protection, guarantees, and responsibilities that are held by all citizens. A student is not immune to prosecution by local, state, or federal enforcement agencies, whether or not the College takes action on the violation.

Dishonest conduct includes, but is not limited to, cheating, plagiarism, unauthorized collaboration, forgery, alteration of records, along with any lying, deceit, bribery, coercion, or intimidation for the purpose of influencing a grade or for any other academic gain. Action against a student determined to have violated the academic honesty policy can range from a reduction of the grade on an assignment, through failure of a course, to suspension or even dismissal from the academic program, the department, or the College.

We desire to prevent the spread of behavior and practices that alone and in themselves appear tolerable, but when widespread or repeated may threaten to undermine the morale, trust, and good faith necessary in an academic community.

Commission of offenses such as willful neglect of proper requests, lying, broken promises, intentionally furnishing false information to a Becker official, and failure to present proper identification renders one accountable and liable for judgment or disciplinary action. A student who is charged with academic dishonesty will be afforded due process through the College appeal system.

Acts such as but not limited to assault, battery, harassment (which would include sexual harassment), hazing, dangerous and/or binge drinking, substance abuse, stalking, rape, abuse, theft, damage, threat, injury, possession or use of firearms or explosives, fraud, blackmail, unfair discrimination, slander, impairing the well-being of another community member or self, suicidal gestures, or invasion of privacy render one liable for disciplinary action.

**Applicability of Policy**

The student rights and responsibilities apply principally to conduct that occurs on College premises or at College-related activities or facilities including class sessions and all other educational activities. College premises mean all land, buildings, facilities, and other property owned or leased by Becker College. Off-campus conduct may also subject a student to disciplinary or other appropriate administrative action when it is reasonably perceived to pose an imminent threat of physical or mental harm to the safety of the student or others, or reflects on a student's fitness to continue in the academic program in which she/he is enrolled. In addition, the College may respond to other off-campus student conduct through non-disciplinary or administrative interventions. Repeated conduct of this kind may cumulatively form the basis for on-campus judicial action.

**Violations**

Individual faculty members determine the sanctions to be imposed for violations of the standards described above as regards to their specific courses and publish them in their course syllabus. The faculty member is responsible for taking the action deemed appropriate in a timely manner, including communication with the registrar's office where necessary and communicating the action along with the rationale to the student. Appeals related to these sanctions follow the academic appeals process. Regardless of faculty specified sanctions, or in the event the specific violation is not discussed, the college-wide policy still applies and sanctions may be imposed as described below. Violations of any of the standards within a specific course will be reported to the Chief Academic Officer.
Sanctions

Sanctions for violations of any of the standards will be reported to the Chief Academic Officer and include one or more of the following:

1. a written warning,
2. a zero on the indicated coursework,
3. a grade of F in the course,
4. withdrawal from the course with a grade of W
5. suspension for one or more semesters,
6. dismissal from the College,
7. expulsion from the College

A student can be dismissed after a first offense if the violation is egregious as determined by the Student Affairs Committee.

Academic Progress

Academic Warning I

Students whose cumulative grade point average falls below 2.00 will be placed on Academic Warning Tier 1. Each student on Academic Warning I will receive a letter explaining the placement and the consequent steps to follow upon returning to campus. Students on Academic Warning I will need academic advisement and permission to add/drop/withdraw from courses and to pre-register for the following semester. All forms are available in the Registrar's Office.

Academic Warning II

Students whose cumulative grade point average falls below 1.90 will be placed on academic warning Tier 2. Each student on Academic Warning II will receive a letter explaining the placement and the consequent steps to follow upon returning to campus. Students on Academic Warning II will need academic advisement and permission to add/drop/withdraw from courses and to pre-register for the following semester. All forms are available in the Registrar's Office.

Further, each student on Academic Warning II may not register for more than 14 credits in one semester. The student will be responsible for meeting with his/her advisor to re-register for classes so as not to exceed the 14 credit maximum. The student may be removed from Academic Warning II by raising his/her CGPA above 1.90.

Academic Dismissal

Students whose cumulative grade point averages do not meet the following levels risk not being permitted to continue at the College: End of the first semester

End of the second or subsequent semester

1.50 – Credits attempted: greater than or equal to 12, but less than 24

1.75 – Credits attempted: greater than or equal to 24
The Registrar will review the records of all students who do not meet the above criteria. Each Academically Dismissed student will receive a letter explaining the placement and the steps to follow before returning to campus. All students who have been notified of dismissal have the right to appeal in writing to the Chief Academic Officer within ten (10) days of that notification. Each appeal will be reviewed and dispositioned. First time appeals will be granted under the following conditions:

The student’s academic course load for the next term is determined by the Chief Academic Officer or designee, and will include in most cases courses which have been failed or for which near-failing grades have been received.

Student must achieve a 2.0 GPA for the term following reinstatement OR achieve a cumulative GPA which brings him/her above the threshold for dismissal.

Other conditions may be imposed.

Students who fail to meet the conditions of reinstatement may be allowed to continue at Becker College only following completion of a minimum of three courses at a regionally accredited college receiving transferrable grades (C or greater).

Students receiving financial aid should review the policy for Satisfactory Academic Progress for Financial Aid Recipients. (See Financial Aid Section)

Dismissed/Reinstated students will need permission from the Chief Academic Officer (or designee) to add/drop/withdraw from a course(s).

Accommodations for Students with Disabilities

Students with documented disabilities who require accommodations must make an appointment with the ADA/Disability Coordinator which can be done through the Collaborative Learning Center. In order to receive accommodations, students are required to submit documentation to the ADA/Disability Coordinator for review. After meeting with the ADA/Disability Coordinator to discuss what reasonable accommodations have been afforded to you in accordance with the documentation you have provided, it is incumbent upon the student to provide his or her professor(s) with the necessary accommodation sheets for each particular course, obtain signatures, and return the white copy to the ADA/Disability Services Office. Becker College will provide reasonable accommodations to the student; however, the individual must meet with the ADA/Disability Coordinator and submit the necessary documentation required in order to be able to access their accommodations.

It is in the student’s best interest to schedule an appointment with the ADA/Disability Coordinator as close as possible to the beginning of each semester when trying to access their accommodation sheets. Please be assured that information concerning any disability will remain strictly confidential. Additional information can be found under Academic Services.

Appeal of Grades

If a student believes a grade received was less than what it should have been due to error or deliberate action, the student must appeal the final grade in writing to the Instructor within ten (10) days of receiving the final grade.
The College has an appeal process under which the student appeal is successively reviewed by the concerned faculty member, the Department Chair and the Student Affairs Committee, who will communicate its final recommendation and the rationale for that recommendation to the Chief Academic Officer.

The reasons for the appeal must be clearly stated. Appropriate reasons for appeal include but are not limited to:

- a. faculty error
- b. grades have been assigned in a manner other than that stated on the course syllabus or other published course documents
- c. grades have been assigned in a manner inconsistent with how they were assigned to other students in that course

Dissatisfaction with a grade is not a rationale for appeal.

The timeline for each level of the appeal process is ten (10) days following receipt of the grade or completion of the previous step. Each step must be completed in writing (email and email attachments are acceptable).

1. The first communication should be to the instructor, within ten (10) days of receiving the grade. If the faculty member has not responded to the first level of appeal within ten (10) days, the student may proceed to level two (2).
2. If the matter is not resolved to the satisfaction of the student, the second level of appeal is to the department chair or director.
3. In some cases a Division or School Dean is the third level of appeal. This is currently the case in the School of Animal Studies and the School of Nursing and Health Sciences.
4. Issues which are not resolved to the student’s satisfaction may be moved forward by the student to the Student Affairs Committee. To facilitate this process, communications to the Student Affairs Committee may be directed to the Executive Assistant for Academic Affairs, Anita Johnson, at anita.johnson@becker.edu

**Attendance Policy**

All students are expected to be regular in attendance at all classes. Absence from class for any reason does not relieve the student from responsibility of completing all assigned work and may adversely affect the grade when class participation is considered in marking. Repeated absence will not lead to an automatic withdrawal from the course or school (see Withdrawal policies). This is not meant to preclude the faculty member’s ability to withdraw a student from a class based on their written attendance policy.

Each faculty member establishes an attendance policy for his or her courses, including laboratories, announces it to each class at the beginning of the semester and includes it in writing on the course syllabus. Such a policy may include the criteria for the instructor to withdraw the student from the course based upon a number of absences. It is recommended that students be permitted no more than 4-5 contact hours of absence in any course.
Auditing a Course

For students wishing to audit a course offered at the College, tuition will be charged at half the normal rate. Course audits are approved on a space-available basis (a student approved to audit a course may be bumped for credit-seeking student.) Becker students wishing to audit a course requires permission of their Academic Advisor and approval by a Department/Program Director; non-Becker students must receive permission from the Department/Program Director (forms are available in the Registrar’s Office). Hands-on courses (learning laboratories, clinical and practical experience) will require permission of the Chief Academic Officer.

Students must request audit status prior to the end of the add/drop period. If the student changes his/her mind and wishes to take the course for credit, s/he must notify the Registrar’s office before the end of the add/drop period.

Cellular Telephones, Communications and Entertainment Devices in Classrooms and Academic Buildings

Students carrying cellular phones and other communications and entertainment devices into classrooms and in academic buildings where classes are being held must place them on “silent” mode.

Students are prohibited from using cellular telephones, communications and entertainment devices in the classroom except as specifically allowed by the faculty member for academic purposes. While class is in session, students will refrain from answering or communicating with such devices until class has been dismissed. Failing to comply could result in removal from class and a recorded absence for the session, rejection from the building or other disciplinary action.

Each faculty member is responsible for establishing an electronic devices policy for his or her courses, announcing it to each class at the beginning of each semester and including it in writing on the course syllabus. Penalties or sanctions should be part of this policy.

Complete Withdrawals

A student wishing to withdraw from the college must follow this procedure*:

- Pick up a withdrawal form in the Office of the Registrar and discuss the reason for withdrawing.
- Meet with his or her Faculty Advisor.
- Contact Financial Aid to determine the status of any financial aid that may be involved.
- Contact Student Accounts to determine final balance.
- Resident students must bring residence hall keys and student identification to Student Services. Commuting students must bring student identification to Student Services.
- Take the form signed by each of the above persons to the Registrar’s Office (form is processed on the date received, not last date of attendance).

Students withdrawing without following this procedure will not be withdrawn from their courses. As a result, the student may receive failing grades in all courses and will not be eligible for fee refunds. This may jeopardize the student’s ability to transfer to, or take courses at, other educational institutions. For individual course withdrawal, refer to the course changes section of the academic catalog.
A student who withdraws from the College at any time during the semester after the last day to add or drop a course will receive a grade of W in all the courses in which the student was registered at the time of the college withdrawal.

*Students may not withdraw from the College (from all courses) via Insite.

**Individual Course Withdrawals**

If the student drops a course before the last day to add or drop a course (see the academic calendar), the course is not recorded on the student’s record. A grade of W is given to a student who withdraws from a course after the last day to add or drop a course, but before the last day of classes. A student may not withdraw from a course after the last day of classes. Grades of W do not affect the GPA but DO affect the course completion percentage, which is calculated for purposes of financial aid eligibility.

**Course Changes – New Students (non-transfer)**

Changes in course registration may be made during the add/drop period using INSITE or by filling out a course add/drop form from the Registrar’s office.

**Course Add/Drop**: Students may add or drop courses online via INSITE or in person within the registration deadlines (see academic calendar). To add or drop a course in person, by mail or by fax, use and ADD/DROP form at
http://www.becker.edu/about/offices/offices/registrar/forms/

Students may add courses until the Add/Drop deadline (see Academic Calendar). Students who drop courses on or before the Add/Drop deadline will be removed from class rosters, and the course will not appear on their transcripts. If a student drops a course after the Add/Drop deadline, this will be treated as a withdrawal and a “W” will appear on the student’s transcript for that course.

**Course Withdrawal**: Unless specified in individual instructor’s syllabus attendance policy and requested by the instructor, students will not be automatically withdrawn from a course simply due to their attendance. The student must formally withdraw from a course if she/he no longer wishes to attend. Course withdrawal forms are available online at http://www.becker.edu/about/offices/offices/registrar/forms/ or in the Registrar’s office.

Any course changes may result in an adjustment of one’s billing and/or affect one’s financial aid, housing eligibility and/or athletic eligibility.

**Dean’s List**

The dean's list, published each Semester, includes all full-time students (24 or more credit hours earned for the academic year; 12 minimum each semester – September through May) whose term grade point average is 3.50 or higher with no grade below a B- and no incomplete (I) or withdrawal/failing (WF) grades. GPA requirements for Dean’s list are not rounded.
National Honor Societies

Each year during the spring semester, the College participates in three national honor societies, Alpha Chi, Alpha Lambda Delta and Alpha Sigma Lambda.

Alpha Chi

The Massachusetts Theta Chapter of Alpha Chi recognizes and promotes scholarship and those elements of character that contribute to high scholarly achievement. The national constitution of Alpha Chi limits membership to the highest ten percent of full-time students in the junior and senior classes. To be eligible for election, a transfer student must have earned not fewer than twenty-four semester hours of credit toward a baccalaureate degree.

Alpha Lambda Delta

Alpha Lambda Delta (ALD) is a national honor society that honors academic excellence during a student’s first year in college. The mission of Alpha Lambda Delta is to encourage superior academic achievement, to promote intelligent living and a high standard of learning, and to assist students in recognizing and developing meaningful goals in society.

Qualifications:

- Earned a 3.5 - 4.0 G.P.A. during their first semester at Becker College
- Must not have been enrolled in any foundations courses during first semester
- Must have been a full-time student during first semester

Alpha Sigma Lambda

Alpha Sigma Lambda (ASL) recognizes the special achievements of adults who accomplish academic excellence while facing competing interests of home and work. Alpha Sigma Lambda is dedicated to the advancement of scholarships and recognizes high scholastic achievement in an adult student’s career.

Qualifications:

- A GPA between 3.5 and 4.0
- Completed a minimum of 50 credits
- Be a matriculated student
- 50 credits must be earned at Becker College
- Must have been a student for a minimum of four terms on at least a part-time basis

Degree Completion

Full-time associate degree program students are required to complete the degree within a five-year period; full-time bachelor degree students are required to complete the degree within a ten-year period. Each period is determined from the date of matriculation. If any enrollment lapses beyond two years, students will need to be formally readmitted to Becker (see Withdrawing and Returning to Becker pg. 79) and will need to meet the degree requirements of the catalog currently in force at the time of readmission.
A student who has completed a minimum of 90% of the credits required for a degree may petition to the student affairs committee to be allowed to complete the requirements of the earlier catalog even though the two year time limit has passed.

Input of a faculty member from the discipline awarding the degree may be requested to answer such questions as currency of the information, licensure and program accreditation issues, etc.

Freshmen Schedules / Placement Testing

All entering freshmen students are required to take screening assessments in Mathematics unless transfer credits in Mathematics have been granted or they meet the conditions for waiver of Accuplacer based on SAT or ACT scores, described below. The results are the basis for the student’s placement in subsequent courses. Based on testing results, the following restrictions may apply to freshmen who are required to take foundations courses:

- Foundation courses will be scheduled during the first semester of the freshmen year;
- Foundations courses cannot be dropped;
- Freshmen who are taking foundations courses are restricted to 14 credits for the semester;
- Students who fail to achieve a satisfactory grade in a foundations course will be required to repeat it in the following semester.

Waiver of Accuplacer based on SAT or ACT scores:

Students with a minimum score of 500 on the SAT-M (or ACT score of 22) are waived from the Mathematics components of the Accuplacer and placed into MATH1200, College Algebra. Students who wish to take the Mathematics components of the Accuplacer to attempt a higher level Mathematics placement are encouraged to do so; the placement into MATH1200 by SAT will not be jeopardized.

Students with a minimum score of 570 on the SAT-M (or ACT score of 26) will be placed in the next mathematics course required or recommended for their major course of study. An SAT-M score of 650 (or ACT score of 30) allows for placement into Calculus. These students will still be required to take the number of mathematics courses required by their degree program.

All entering freshmen will be registered in the First Year Experience course (ACAD1001). This course is waived if the student has 12 or more transfer credits. The following restrictions apply to this course:

- ACAD1001 cannot be dropped;
- Students who fail to achieve a passing grade in this course will be required to repeat it in the following semester.

Full-Time/Part-Time Status

Full-Time Student Status

All full-time students (12 or more credit hours) are permitted to enroll for a maximum of eighteen (18) credit hours per semester, unless they are on Academic Warning II. The tuition charge for these courses is covered by the full-time rate. In an exceptional circumstance, a student may receive a recommendation from his or her faculty advisor and the approval of the Chief Academic Officer to take more than eighteen (18) credit hours (course overload). In such a case, the student must have a minimum CGPA of 3.00 and will be charged an additional tuition fee at the part-time student rate. In
instances where the overload is due to one 4 credit course, with a total of 19 credits, the 3.0 requirement will be waived at the request of the Academic Advisor and the consent of the Chief Academic Officer. Overload fees will still apply. Students with a CPGA below 2.0 will not be allowed to take an overload. Course overload forms are available in the Registrar’s office.

Full-time students in traditional undergraduate programs who have completed a minimum of 12 credits at Becker and whose GPA is 3.9 or above will be allowed to take one additional course (up to three credits) at no additional charge. This will apply only to the fall and spring semesters, and may include Consortium courses. This does not raise the number of courses which students can take through the Consortium.

Part-time Student Status

Any student enrolled in less than twelve (12) credits in a semester is considered to be part-time. A student may complete nine (9) credits or three (3) courses prior to matriculating into a program of study. After the completion of nine (9) credits or three (3) courses, the student must formally apply for admission and submit all materials required for acceptance into a degree program to the Admissions Office. The applicant will be notified in writing by the Director of Admissions once a decision has been made. The completion of three courses is not, in itself, a guarantee of admission into a degree program.

General Education

Becker College believes that an educated person should possess an understanding of the humanities, social sciences and sciences including mathematics. Consequently, each academic program at the College contains courses in these primary domains of human knowledge; they are referred to as general education courses.

General education courses help assure that students gain a competency in oral and written communications, demonstrate analytical abilities, appreciate artistic endeavor within our culture, display sensitivity to current ethical and moral issues in our society, and have a commitment to the value of learning throughout their lives. Some general education courses are required in each program while general education and other electives offer students a variety of choices from the College’s catalog. These electives are depicted in each curriculum by one of the following notations within the parenthesis after the word ‘elective’ (Business, Exercise Science for Sports Management, Humanities, Mathematics, Global Awareness and Diversity, Science, Social Science, and Veterinary Science).

Requirements for the Bachelor’s Degree – these are minimum requirements; individual degree programs may have more extensive requirements in any area.

Written and Oral Communication
9 credits ENGL1001, ENGL1003, and a communications elective

MATH
6 credits

Science
7 credits – must include one lab science
Global Awareness and Diversity
3 credits

Humanities and Social Science
15 credits total

Social Science
6 credits must be taken in two different disciplines

Humanities
6 credits must include one history course

Open Humanities and Social Science
3 credits

Technology and Society
3 credits

Health Education
3 credits

Requirements for the Associate's Degree – these are minimum requirements; individual degree programs may have more extensive requirements in any area.

Written and Oral Communication
6 credits ENGL1001, ENGL1003

Math
3 credits

Science and Technology
6 credits

Humanities and Social Science
6 credits

College Core Courses

All degree programs offered by Becker College include the satisfactory completion of core competencies as identified by the faculty. The first competency is the English language competency which is met by the successful completion of ENGL1001 English Composition I and ENGL1003 Writing about Literature.

Students may be required to enroll in a foundational mathematics course depending on the results of freshmen testing. Students who have a mathematics requirement in their program of study must satisfactorily complete the foundational mathematics course prior to enrollment in any subsequent mathematics course.
The last competency required is in computers. This competency is met through the “Technology and Society” course, INFO1001, which is required of all students enrolled in bachelor’s degree programs.

Graduation Requirements

A student must submit an Intent to Graduate form on INSITE prior to the following deadlines to be audited in a timely fashion. Students should not file their intent to graduate more than TWO semesters prior to their intended graduation date.

- May 1 for the following December graduation date
- July 1 for the following May graduation date
- December 1 for the following August graduation date

Intents received after a deadline may not be reviewed in time for the student to make proper course selections in subsequent semesters and, as a result, the student may be denied graduation and/or ceremony participation**. As always, the student is responsible for knowing his/her program requirements and staying on track to meet requirements for graduation. The audit resulting from an Intent should only be relied upon as a final check to determine when graduation will be conferred.

** Participation in Commencement does not imply that the student has met all degree requirements and therefore, s/he should not automatically expect a diploma.

***If you have not completed all required course work, please review the Withdrawing and Returning to Becker policy (pg. 69).

Academic Distinction

Honors designations for recognition at Commencement are determined using the cumulative grade point average (CGPA) earned at the end of the semester prior to the last semester of enrollment before graduation (Associate degree program – typically 3rd semester of full-time enrollment; bachelor’s degree program – typically 7th semester of full-time enrollment). CGPA requirements for honors are not rounded. Honors reflected on the final transcript and diploma reflect the actual CGPA upon degree completion.

Associate Candidates:

- Honors – CGPA Range 3.50 – 3.69
- High Honors – CGPA Range 3.70 – 3.89
- Highest Honors – CGPA Range 3.90 – 4.00

Bachelor Candidates:

- Cum Laude – CGPA Range 3.50 – 3.69
- Magna Cum Laude – CGPA Range 3.70 – 3.89
- Summa Cum Laude – CGPA Range 3.90 – 4.00

To graduate with a degree from Becker College, a candidate must meet the following requirements to be eligible for the appropriate degree:
1. Completion of a minimum of 30 credits at Becker College in order to be awarded a Bachelor’s degree, exclusive of any credits awarded for Prior Learning, AP, CLEP, or other acceptable sources.

2. A minimum of 15 credits of 3000/4000 level courses required for the major, and 9 credits for any minor, must be completed at Becker College. Transfer credit policies for graduate programs are determined by individual programs.

3. The student must complete the course work required and the number of semester hours specified to be awarded his/her degree with a minimum cumulative grade point average of 2.00. The final CGPA is not rounded.

4. Foundations/Developmental/Preparatory courses will not transfer into Becker for credit toward graduation requirements (see course description for notation of Foundations/Developmental/Preparatory course type).

5. All financial obligations of the student must be successfully completed. Degrees will not be granted to any student having debts outstanding.

A student may participate in commencement exercises if he/she reasonably expects to complete his/her outstanding program coursework – no more than one course (up to 4 credits) - is achieving a cumulative grade point average of 2.00 based on previous semester grades and is meeting all other requirements. The degree will be mailed to the student following completion of all requirements.

A student enrolled in one of the College’s Accelerated and Professional Studies Programs may participate in Commencement exercises if he/she expects to complete his/her outstanding program work – no more than two (2) courses outstanding (up to 7 credits) in their core program and the registrations for the remaining courses are already completed – achieving a cumulative grade point average of 2.00 based on previous semester grades and is meeting all other requirements.

During the latter part of the spring semester, please watch for Commencement information at www.becker.edu (homepage).

Students should apply for their degrees at the time they meet the requirements; a student applying for the associate’s degree at the same time the bachelor’s degree is awarded may only be recognized in the program for degrees and honors relevant to the period covered by that commencement. For example, an associate’s degree for which the student met the requirements at the end of the spring 2014 semester will not be included in the 2016 commencement, regardless of whether the student chose to be recognized in 2014 or not. However, the degree may still be awarded.

Dual Degrees:

Students may receive two bachelor’s degrees only by meeting the individual requirements of BOTH degrees, and only when the second degree requires a minimum of 24 credits of additional study beyond that required for the first.

A student receiving more than one degree (i.e. both an associate’s degree and a bachelor’s degree) will only be recognized at commencement for the higher level degree. While both degrees will be printed in the program and honors for both (where applicable) will be recognized at the honors convocation, the student will “walk” with the group receiving the higher level degree and only those honors will be announced at commencement. The student who is receiving TWO degrees at the same level will have both degrees announced.
Minors will be noted on the transcript but not announced at commencement or noted in the commencement program.

**Grading System**

Official final grades are issued after the end of each semester (mid-term grades are provided as a progress report on Insite). Grades will be accessible on Insite after 8 p.m. on the day they are posted.

The College uses the four-point system in computing grade point averages as follows. Unless otherwise posted in the course syllabus, the College equates the following numerical equivalents with letter grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Numerical Averages</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>As determined by faculty</td>
<td>4.00</td>
</tr>
<tr>
<td>A</td>
<td>93 - 100</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>90 – 92</td>
<td>3.70</td>
</tr>
<tr>
<td>B+</td>
<td>87 – 89</td>
<td>3.30</td>
</tr>
<tr>
<td>B</td>
<td>83 – 86</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>80 – 82</td>
<td>2.70</td>
</tr>
<tr>
<td>C+</td>
<td>77 – 79</td>
<td>2.30</td>
</tr>
<tr>
<td>C</td>
<td>73 – 76</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>70 – 72</td>
<td>1.70</td>
</tr>
<tr>
<td>D+</td>
<td>67 – 69</td>
<td>1.30</td>
</tr>
<tr>
<td>D</td>
<td>63 – 66</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>60 – 62</td>
<td>0.70</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
<td>0.00</td>
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<tr>
<td>EC</td>
<td>Earned credit by waiver</td>
<td>Not calculated</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>Not calculated</td>
</tr>
<tr>
<td>P</td>
<td>Passing</td>
<td>Not calculated; not a final grade</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn</td>
<td>Not calculated</td>
</tr>
<tr>
<td>WP</td>
<td>Withdrew passing</td>
<td>Not calculated</td>
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<tr>
<td>WF</td>
<td>Withdrew failing</td>
<td>calculated (0.00)</td>
</tr>
<tr>
<td>AU</td>
<td>Audit</td>
<td>Not calculated</td>
</tr>
<tr>
<td>NG</td>
<td>No Grade (labs/clinical)</td>
<td>Not calculated</td>
</tr>
</tbody>
</table>

**Incomplete Grades and Required Petition**

An Incomplete (“I”) grade may be issued only through the receipt of a signed petition from the student requesting it directly to his/her faculty member, stating the reason and explaining the extenuating circumstances for the request. If the request is granted, the faculty member must provide the completion date and assignment(s) on the form for an incomplete grade to be entered into a student’s record. The
form must be provided to the Registrar’s Office no later than the “final grades due” date on the Academic Calendar.

An “I” grade indicates that a final grade is being withheld until certain work is complete. The grade will be automatically changed to an “F” if the work is not completed on time by the student. In any event, the “I” grade will be automatically converted to an “F” if a letter grade is not issued within three (3) weeks of the beginning of the next scheduled semester.

Leave of Absence

A leave of absence for up to one academic year may be granted to matriculated students. The purpose of a leave of absence is to allow a student time to deal with an unexpected occurrence that impacts his or her studies to the extent that long-term absence is warranted. Request for a leave of absence must be made in writing to the Department Chair or Director, who will inform the Registrar’s office of the decision. The following stipulations will apply:

• A student who has been dismissed from the College for academic or disciplinary reasons is not eligible;
• A leave of absence may be approved for a maximum of two contiguous semesters only;
• A leave of absence for longer than 60 days may affect a student’s financial aid. Please contact the Financial Aid Office for specific information;
• A student who fulfills the conditions of an approved leave of absence may return to the College and register for classes without requesting reinstatement. (The requirements of the catalog current at the time of leave of absence will remain in effect.);
• For a leave of absence granted prior to the 12th week of a semester, no semester grades will be recorded on the student’s transcript but will appear as withdrawn courses;
• For a leave of absence granted after the 12th week of a semester, the faculty may submit an Incomplete or calculate a grade at that time consistent with the College’s grading policy. The Chief Academic Officer may approve the extension time for an incomplete grade or the conversion of an incomplete to a regular grade;
• Individual programs may impose additional stipulations.

Practical Experience

Becker provides its students with opportunities for career experience as part of their college education. Many of our academic programs offer internships, clinical fieldwork, practica and preceptorships. Each one is closely supervised, integrates practical experience with academic work, and encourages the use of classroom skills in an off-campus working environment. Students are responsible for providing their own transportation to and from any off-campus practical experience. See course descriptions for details.

Career Internship

Becker offers students an opportunity for experience in their career field through the college job posting site or found by the student. Generally, 144 hours per semester are spent in off-campus, unpaid/paid placements. This enables students to practice skills in career areas while being part of an actual work
situation. A minimum 2.00 cumulative grade point grade average (unless otherwise stated in the course description), 24 credit hours earned toward degree completion and prior approval by the student’s academic advisor are required for participation. Individual internship courses may have additional requirements which are specified in the course description. Students completing approved internships will receive letter-grades for their performance.

Clinical Fieldwork, Practica and Preceptorships

Students in some programs must participate in extended practical experiences to fulfill graduation requirements. All are conducted under the supervision of a professional in the field and provide students with valuable opportunities to put lab and classroom learning to real use. (See program and course descriptions for additional information.)

Repeated Courses

A student may retake a course at Becker College in which he or she received a low grade. Only the more recent grade will count in the student’s grade point average. A course may be taken a maximum of three times at Becker College. Individual programs may have policies which are more restrictive than this. A course which is taken elsewhere (repeated or otherwise) will not be factored into the GPA calculation.

Higher Education Consortium of Central Massachusetts (HECCMA)

Becker is a member of the Higher Education Consortium of Central Massachusetts (HECCMA), an association of twelve Worcester-area colleges and universities which sponsor interlibrary loan services, social events and a course cross-registration system to broaden course offerings. Full-time (at Becker) students may take one course per semester (fall and/or spring only) free of charge, at any other participating consortium institution, depending upon availability. They must complete a cross-registration form from the Registrar’s office. Exceptions are the additional fees charged for special programs, laboratory materials and supplies, and the determination of a course overload whereby students may be required to pay a course fee to their home institutions. The right to deny permission to carry a course overload is retained by each institution based on its own requirements.

Transcripts

For current/recent students all transcript requests must be requested via Insite. Students without an Insite account, requests should include the following information (forms available on website):

- First and last name while attending and current last name (if applicable); any other names used.
- Student ID number or Social Security number
- Date of birth
- Current home address
- Current telephone number
- Campus location(s) attended
- Dates of attendance
- Number of copies requested (indicate whether Official or Unofficial transcript)
- Contact name and complete address(es) of where the transcript(s) is to be mailed
- SIGNATURE (request cannot be processed without your signature)
Mail requests to:
Becker College
61 Sever Street
Worcester, MA 01609
Attn: Registrar’s Office

We do not take transcript requests by phone. We cannot accept email requests unless accompanied by an electronic signature.

Transfer of Credits from Other Institutions (See Admissions Section for transfer guidelines for specific programs)

Subject to the Graduation Requirements outlined above, students may transfer credits from other regionally accredited institutions and be eligible for the appropriate degree from Becker College, subject to meeting the following conditions:

1. Completion of a minimum of 30 credits at Becker College in order to be awarded a Bachelor’s degree, exclusive of any credits awarded for Prior Learning, AP, CLEP, or other acceptable sources.
2. A minimum of 15 credits of 3000/4000 level courses required for the major, and 9 credits for any minor, must be completed at Becker College. Transfer credit policies for graduate programs are determined by individual programs.
3. Grades of C or better from regionally accredited institutions are subject to the time restrictions below. A grade of P is acceptable; provided the transfer school’s transcript key lists a letter grade equivalent to a C. Foundations/developmental/preparatory courses will not transfer to Becker College for credit toward graduation requirements (see course description for notation of foundations/developmental/preparatory course type).
4. Courses must be similar in scope, breadth, and depth of content. Course descriptions and, at times, syllabi will be used as the basis for this determination.
5. Courses must be within one level of the course at Becker College for which they will be used. Courses must have similar or greater prerequisites if they are to be considered for transfer from a lower level.

Foreign transcripts: the student must request to have official college-level transcripts sent to a recognized credential evaluation service. Please visit the National Association of Credential Evaluation Services (NACES®) for a list of members and their websites. In this evaluation, the transcript will be translated into English, if needed, authenticated and equivalencies set to determine the level of education and its relation to accredited institutions in the United States. The results of the evaluation must be sent from the agency to Becker. While Becker agrees to review the evaluation for possible transfer credits, we reserve the right to accept or deny credits based upon the results of the evaluation. Fees are the responsibility of the student.

Courses from other than regionally accredited institutions may be evaluated for purposes of transfer. The American Council on Education's College Credit Recommendation Service (CREDIT) will be used as the basis for credit recommendations where such recommendations exist.
Credits awarded through the ACE formal credit recommendation process, College Level Examination Program (CLEP) and Advanced Placement (AP) count towards the maximum numbers of transfer credits described above. Courses taken as part of the Colleges of Worcester Consortium Cross-Registration program are considered Becker credits and do not count towards those limits.

**Technical courses**
good for up to 5 years (science & technology)

**Professional course**
good for up to 10 years (prefix-related or as specified)

**General Education**
no time limit (English/Math/Non-required Elective, i.e., Psychology, Sociology, Humanities, etc.)

Transfer credit will not be computed into the student’s cumulative grade point average, including courses taken for “repeat” credit elsewhere.

Matriculated students should have courses evaluated for transferability prior to enrolling. Student should bring course descriptions to the Registrar’s Office.

**Withdrawing and Returning to Becker**

A student, who withdraws from the College and is in good standing (with all College offices) at the time of withdrawal, may return within two years without special procedure or permission. If the student is not in good standing, s/he must request reinstatement – in writing - to the Registrar. In these cases, approval of the Chief Academic Officer is necessary before reinstatement.

At any time, if a student’s enrollment lapses beyond two years, s/he may apply to Admissions to return to the College under the current course catalog. There is a possibility that the student’s program may no longer be offered – in such a case, the student will need to choose a new program out of the current course catalog. Further, the student’s prior coursework, including previously transferred credits, will be evaluated and compared to current programs. Depending on the time away, a student may need to retake courses to fulfill degree requirements. Individual programs may impose additional restrictions on returning to that program following a withdrawal.

**Minors**

A minor is a grouping of 6 or more courses, totaling 18 to 21 credits, of which a maximum of 9 credits have 2000-level course designations, and the remainder are at the 3000 or 4000 level. Except as specifically proposed by the faculty and recommended by the curriculum committee, 1000 level courses do not qualify for inclusion in a minor. A minor may be similar to, and named for, an existing major such as Criminal Justice. Or, it may be a special, interdisciplinary grouping such as Comparative Psychology. The department(s) offering the minor determines which courses are required and any course options. Once a minor is established within a department or departments, it will be listed, along with the requirements of the minor, on the web page for that program or programs. A list of available minors can be found on page 183 or by visiting [http://www.becker.edu/academics/minors](http://www.becker.edu/academics/minors).
Enrolling in a minor: Restrictions, Limitations, Eligibility requirements

Pursuing a minor should be discussed with the academic advisor who will suggest a faculty member who may serve as a minor advisor. Students will complete a petition form, requesting to formally pursue the minor. This petition must be signed by the academic advisor, the minor advisor, the Chair of the Department(s) offering the minor, and the Chief Academic Officer. The form will be filed in the Registrar’s office and the minor will be entered on the transcript of academic studies by that office.

Formal petitions to pursue a minor should normally be filed by the end of the second semester of the sophomore year. A petition for a minor will not be accepted from a student who has not completed one year of college work (30 credits). A student may not enroll in a minor which requires fewer than FOUR courses not already specifically required for the degree program pursued by the student.

While courses used to fulfill the requirements of a minor may also be used to fulfill specific requirements within a major, substitutions of minor courses for major course requirements will not be made. Students are responsible for meeting all prerequisites for courses within the minor, which may add additional course requirements. Prerequisite waivers will not be issued solely because a student is enrolled in a minor; the burden of proof of having achieved the preparation assured in the prerequisite courses lies with the student. The approved declaration of a minor will be considered as meeting the requirement for taking a course which is open only to students in specific majors, assuming all other course prerequisites are met.

Department Chairs, in consultation with department faculty, will determine limits or eligibility requirements for minors sponsored by their individual or collective departments. The sponsoring department(s) designate specific course requirements and options for the minor, which is then forwarded to the Chief Academic Officer for approval. Once a minor is approved it will be listed at http://www.becker.edu/academics/minors and becomes part of the colleges offering of Minors. Revisions and additions to minor requirements are handled in the same way.

In cases where admission to a specific program carries requirements above that of admission to the college, those requirements may be made of students petitioning to pursue a minor.
Academic Services

Collaborative Learning Centers (CLC)

The Collaborative Learning Center, located on both campuses, is dedicated to helping all students in all programs achieve their academic goals. This “learn how to learn” environment engages in partnerships with faculty and academic services such as the Libraries and the First Year Experience program, creating a dynamic learning atmosphere that is conducive to active learning. Services include individual and group tutoring, study groups, workshops and academic coaching services.

Tutoring services are available by appointment during normal operating hours, and are free of charge to all students. Academic coaching services will be available for a fee. It is strongly suggested that all students register for an appointment with the CLC staff early in the semester, in order to ensure that appropriate resources may be allocated to help achieve academic success. Appointments can be made in either center location or online through TutorTrac, available under Quicklinks on the Becker College website.

Students with Disabilities

In compliance with federal and state regulations, reasonable accommodations are provided to qualified students with disabilities. A qualified student is a person who, with or without reasonable accommodations, can perform the essential functions of program or course requirements. The essential requirements of an academic course or program need not be modified to accommodate an individual with a disability.

If you are a student with a disability as determined under the ADA, and as defined in Chapter 504 of The Rehabilitation Act of 1973, you may wish to discuss reasonable accommodations with the ADA/Disability Coordinator. Appropriate documentation must also be provided to ensure accommodations, as specified and related to those disability recommendations. Please e-mail the ADA/Disability Coordinator (marylou.roberts@becker.edu), or call 508-373-9704 for a confidential discussion. Please allow adequate time at the beginning of each semester to access your accommodations and to ensure that appropriate support services can be provided.

In keeping with the College's confidentiality policy, approval for reasonable accommodations within the classroom, authorized by the Director of the CLC and ADA/Disability Coordinator, will list only those approved accommodations and not the nature of the disability. Documentation must be approved and signed each semester by the student and the ADA/Disability Coordinator. It is then up to the student to provide this information to the faculty members, obtain signatures, and to return the white copy to the CLC. Approval for accommodations for one class may not automatically transfer to other classes, but will be reviewed by the ADA Coordinator on a case-by-case basis, and will include a confidential discussion between the student and the ADA Coordinator. Discussions with parents or legal guardians are encouraged when supported by FERPA documentation.

The Worcester CLC is located at 30 Roxbury Street, telephone 508-373-9704. The Leicester Center is located in Marsh Hall, telephone 774-354-0652.
Computer Labs and Use

Information Technology supports computer resource areas for the College. Except for units designated for special purposes, all units allow student access to the Internet, email, and Microsoft Office. Each area has its own network printer and paper supplies. Some of the software products supported are: Word, PowerPoint, Excel, Access, Outlook, PhotoShop, SPSS, Flash, Dreamweaver and AutoCAD. Every classroom has high-speed access to the Internet. Each student receives his or her own account and password for access and email.

A number of general-purpose and specific purpose labs of different sizes are available on each campus for classes and students for classes and student use.

Faculty

Members of the Becker College faculty are committed to a collaborative learning process, focusing on integration of learning and research options via faculty/librarian liaisons in all subject areas, as well as promoting additional support from academic learning services such as the First Year Experience Program (FYE) and The Collaborative Learning Centers (CLC).

Some of these initiatives include:

- Collaboration with library staff for assignment-based customized instruction, assistance with research, and use of library resources
- Leading and participating in workshops and study groups
- Collaboration with CLC specialists and peer tutors
- Student advising and scheduled office hours
- Interaction with and support of the First Year Experience program
- Many other activities designed to develop a faculty-student relationship that is conducive to developing and perfecting the academic goals of each student.

Libraries

The Libraries at Becker College provide support for student research and study. Our library website is available 24/7 at http://www.becker.edu/academics/libraries-2. Current library holdings include more than 40,000 books, newspapers, and electronic materials, such as DVD’s. Approximately 300 journals and periodical back issues are held.

Descriptions of print materials held by the Libraries at Becker College can be searched at http://librarycatalog.becker.edu. In addition to print holdings, the library subscribes to 55 online databases (both subject specific and general) as well as electronic journals.

The library catalog, online databases and online journal content are available to students both on-campus and remotely via the library website.

Books may be checked out for three weeks and renewed for three additional weeks. Materials that have been renewed can be recalled if needed by another library user. A reserve collection for coursework is maintained in both libraries. A current Becker student ID serves as a library card. Overdue notices are sent via campus email. Replacement costs may be assessed for unreturned items. A complete description of circulation policies is available at http://www.becker.edu/academics/libraries-2/library-services/about-policies.

Reference books, periodicals/newspapers, and reserve materials may only be used in the library.

Students may check out laptops and iPads for in-library use at each campus library.
Library Campus Collections

Becker College has two campus libraries that house print materials in liberal arts and specialize in the core disciplines found at each campus. The collections at the Ruska Library on the Worcester campus focus on the areas of:

- business
- criminal justice
- elementary and early childhood education
- game design
- graphic design
- humanities
- legal studies
- nursing and health sciences
- psychology

The collections at the Swan Library on the Leicester campus focus on the areas of:

- equine studies
- exercise science
- humanities
- natural sciences
- psychology
- veterinary science

Library Services

The Libraries at Becker College offer a number of services for students, faculty and staff including:

- research assistance
- individualized and group instruction
- computers with Internet and Microsoft Office software
- wireless hubs for connecting to Becker wireless network via laptop
- quiet study areas
- study room reservations for group study
- photocopiers and printers
- interlibrary loan to obtain material outside of our collection.

In addition to these services, the library is a member of the Academic and Resource Libraries Collaborative (ARC) which provides Becker students with borrowing privileges at area colleges. A list of participating institutions can be found at: http://www.becker.edu/academics/libraries-2/library-services/arc/

Library staff may be contacted by e-mail at library@becker.edu or by phone at 508-373-9710 (Ruska Library, Worcester Campus) or 774-354-0655 (Swan Library, Leicester Campus). For current hours and additional information about the libraries, please visit the library website at http://www.becker.edu/academics/libraries-2.
Academic Programs

The College’s undergraduate degree programs are offered by the following academic units:

- Division of Undergraduate Studies
- Center for Accelerated and Professional Studies

The sole purpose of our academic programs is to offer each student a contemporary and meaningful course of study to meet his/her educational needs. Each curriculum is a carefully crafted blend of professional and liberal arts courses that contribute to the student’s total development as a competent professional and informed citizen in our modern world. Faculty at the College work closely with the students to help each of them achieve his/her defined goals. Whether the student has graduated recently from high school or is returning to upgrade his/her education, the student will find the learning environment at Becker College to be extremely supportive and focused on individual attention. Electives are updated each semester and can be obtained on the Web site (http://www.becker.edu/academics/electives). Specific questions regarding the selection of electives should be directed to Student Advisors.

The College reserves the right to make changes in individual courses and programs.

The First Year Experience

The First Year Experience program, which begins with a full semester class component, is designed to help guide students through this transition. Entering freshmen are required to enroll in ACAD1001 (First Year Experience) during their first semester at Becker College. Students who enter with 12 or more transfer credits are not required to take this course.

Active student/instructor engagement, not only through the two-credit course, but throughout the entire first year, promotes the opportunity for discovering academic potential and introduces students to the many resources offered throughout the Becker community.

Learning Objectives:

- Discover and utilize campus resources
- Demonstrate effective communication skills through writing assignments, journals, and oral presentations
- Explore career options through individual assessments
- Explore the concept of community as it relates to the Core Values of Becker College
- Increase self-awareness, emotional intelligence, and self-esteem
- Improve creative-critical thinking skills for analyzing situations and solving problems in academic, professional, and personal life
- Develop self-management skills to increase persistence and motivation
- Develop an understanding and appreciation of diversity
- Apply study skills for academic success in Becker College courses
Experiences and discoveries take place within the classroom, with occasional out-of-class assignments such as academic lectures and Becker events. Active class participation and engagement with peers and others throughout the Becker community ensures that students are introduced to and continuously supported during their transition to becoming a successful college student.

The Director of the First Year Experience program is dedicated to helping each and every student and can be reached at 774-354-0430 or via e-mail at FYE@becker.edu.
Division of Undergraduate Studies

Design Programs - Bachelor of Arts

The Design Programs offer the Bachelors of Arts in Design with concentrations in Communications Design and Graphic Design, and a Bachelor’s of Arts in Interactive Media Design with concentrations in Game Design, Game Development and Programming, and Game Production and Management. Each concentration equips students with a broad range of marketable skills and a strong general education foundation upon which a lifelong, successful career can be built.

Whichever concentration a student chooses in the Design degree programs, students can be assured of small classes with attentive, knowledgeable faculty, up-to-date equipment, and plenty of room to explore personal visions. Upon graduation, students will have the right technical skills, a firm theoretical base, opportunities for career internships, and a strong portfolio as solid evidence of their abilities.

Bachelor of Arts in Design

The Bachelor of Arts in Design degree offers two areas of concentration: Communications Design and Graphic Design.

Course selections in the Communications and Graphic Design concentrations include both a solid grounding in the fine and visual arts, and hands-on practical core courses which stress the understanding of underlying design processes and concept development. Students will learn firsthand how to create effective visual communication; how to develop and communicate design solutions; and how to create, capture and manipulate both traditional and new media design elements. All this is offered in a clear manner in keeping with the professional standards of their chosen field of study.

Communications Design Concentration

This concentration prepares students for the broad field of communication design while allowing them to expand their knowledge in one or more areas through course groupings that provide the opportunity for depth. Students who choose the bachelor of arts in communication design may elect to focus on instructional design, or add courses in video production, or multimedia journalism. Portfolio, senior project, professional practice, and an optional internship assure that the students receive hands-on experience in their chosen area of communication design and enter the workforce with marketable skills and an interview-ready portfolio.
# Communications Design Concentration

## Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM1300 Communications in the 21st Century</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCI1001 Introduction to Sociology</td>
<td>3</td>
<td>COMM2100 Digital Video Production</td>
<td>3</td>
</tr>
<tr>
<td>ARTS1301 Principles of Design</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>GRPH2120 Techniques of Vector Imaging</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>ARTS1003 Art History I or ARTS1004 Art History II or ARTS2003 Contemporary Art History: Art and Artists of the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>MATH1200 College Algebra</td>
<td>3</td>
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<tr>
<td></td>
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<td></td>
<td>15</td>
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</table>

## Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAME2701 Digital Audio Production</td>
<td>3</td>
<td>MKTG2101 Advertising</td>
<td>3</td>
</tr>
<tr>
<td>GRPH2110 Typography</td>
<td>3</td>
<td>ENGL2003 Public Speaking or ENGL1500 Effective Communications</td>
<td>3</td>
</tr>
<tr>
<td>COMM2400 Media for Instruction and Training</td>
<td>3</td>
<td>COMMM2700 New Media</td>
<td>3</td>
</tr>
<tr>
<td>GRPH2130 Techniques of Raster Imaging Elective (Science/lab)</td>
<td>3</td>
<td>GRPH2170 Principles of Digital Imaging Elective (Science)</td>
<td>3</td>
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<tr>
<td></td>
<td>4</td>
<td></td>
<td>3</td>
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<tr>
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## Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPH2180 Animation and Motion Graphics</td>
<td>3</td>
<td>GRPH3110 Advanced Web Design</td>
<td>3</td>
</tr>
<tr>
<td>GRPH2160 Introduction to Web Design Elective (Social Science/Humanities) Approved Program Elective</td>
<td>3</td>
<td>Approved Program Elective Math Elective (2000+)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Approved Program Elective</td>
<td>3</td>
<td>Social Science Elective (Non-Sociology)</td>
<td>3</td>
</tr>
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<td></td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Approved Program Elective</td>
<td>3</td>
<td>Elective (Health Education)</td>
<td>3</td>
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<tr>
<td></td>
<td>15</td>
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<td>15</td>
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</tbody>
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### Senior Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPH4520</td>
<td>Senior Team Project</td>
<td>3</td>
<td>GRPH4510</td>
<td>Design Portfolio</td>
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<tr>
<td>GRPH4530</td>
<td>Professional Practices in Design</td>
<td>3</td>
<td>GRPH4300</td>
<td>Career Internship or</td>
<td>3</td>
</tr>
<tr>
<td>GRPH4400</td>
<td>Advanced Topics in Design</td>
<td>3</td>
<td></td>
<td>Open Elective</td>
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<tr>
<td></td>
<td>Humanities Elective</td>
<td>3</td>
<td></td>
<td>Approved Program Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Open Elective</td>
<td>3</td>
<td></td>
<td>History Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Elective (Global Awareness and Diversity)</td>
<td>3</td>
</tr>
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<td></td>
<td></td>
<td>15</td>
<td></td>
<td>Total Credits:</td>
<td>123</td>
</tr>
</tbody>
</table>

Students may choose to take any four approved program electives in order to complete the degree. The following non-required courses may be used to meet the requirements of a program elective.

### Current Program Electives

The following non-required courses may be used to meet the requirements of a program elective.

- ENGL3205 Creative Writing
- ENGL3206 Creative Nonfiction: Telling True Stories
- INFO2105 E-Commerce
- INFO2500 Data Visualization
- INFO3300 Business Analytics
- INFO4200 Predictive Analytics
- INFO4300 Big Data Analysis
- INFO4500 Data Science Policy and Strategic Management
- MGMT4200 Training and Development

All non-required ARTS, COMM, GAME and GRPH courses may also be used as program electives.

Additional courses may be added or deleted from the approved program elective list at department discretion.

### Career Opportunities in Communications Design

Discover a diverse set of creative and technological skills that provide entrée into a broad range of employment opportunities, which are expected to experience an average of more than 17% growth in the near future. Communication design graduates are prepared for entry-level positions in advertising, motion and broadcast graphics, web design, book and magazine design, package design, corporate branding, information visualization, interactive design, exhibition and retail design, architectural and environmental graphics, apparel design, and instructional technology. Using a communications design strategy in a range of professions and industries has many advantages. It forms the foundation for the practice: organization of information is the first step in designing any communication, especially if it has visual and auditory components.
Graphic Design Concentration

Becker College offers some of the most innovative programs in modern, multi-media design in the country. A Becker College degree with a graphic design concentration provides students with the digital imaging, computer graphics, visual arts, and production skills that will enable them to develop creative solutions for clients’ design needs. Students learn the process of combining words and images to communicate an effective message through all types of visual communication.

The graphic design concentration integrates the College’s liberal arts course work with a strong foundation of graphic arts skills and techniques and hands-on practical training. Small class sizes allow Becker College professors to actively engage students in the learning process to nourish and accelerate their creative talents. The College’s experienced faculty regularly interfaces with colleagues in the field to ensure that current industry practices are incorporated in the curricula. The curriculum is supplemented in the last two years with a choice of elective coursework, internships, and special projects.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
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<td>ARTS1100 Principles of Drawing</td>
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<td>ENGL1003 Writing about Literature</td>
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Sophomore Year

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<td>ENGL2003 Public Speaking or</td>
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<td>GRPH2110 Typography</td>
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<td>ENGL1500 Effective Communications</td>
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<td>GRPH2150 Graphic Design II</td>
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## Junior Year

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## Senior Year

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<tbody>
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<td>GRPH4520 Senior Team Project</td>
<td>3</td>
<td>GRPH4510 Design Portfolio</td>
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<tr>
<td>GRPH4530 Professional Practices in Design</td>
<td>3</td>
<td>GRPH4210 Special Projects in Design or</td>
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<tr>
<td>GRPH4400 Advanced Topics in Design</td>
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<td>Open Elective</td>
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<tr>
<td>Humanities Elective</td>
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<td>GRPH4300 Career Internship or</td>
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<tr>
<td>Open Elective</td>
<td>3</td>
<td>GRPH Elective Elective (Global Awareness</td>
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<td>History Elective</td>
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<td>Total Credits:</td>
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</table>

Students may choose to take any four approved program electives in order to complete the degree. The following non-required courses may be used to meet the requirements of a program elective.

**Graphic Design Electives include:**

- GRPH4215 Corporate Design
- GRPH4220 Advanced Digital Photography
- GRPH3702 Advanced Advertising Design
- ENGL3205 Creative Writing
- ENGL3206 Creative Nonfiction: Telling True Stories
- INFO2105 E-Commerce
- INFO2500 Data Visualization
- INFO3300 Business Analytics
- INFO4200 Predictive Analytics
- INFO4300 Big Data Analysis
- INFO4500 Data Science Policy and Strategic Management
- MGMT4200 Training and Development
All non-required MKTG, ARTS, COMM, GAME and GRPH courses may also be used as program electives.

Courses may be added or deleted from the approved program elective list at department discretion.

Career Opportunities in Graphic Design

The graphic design industry is an exciting, fast-changing, and rewarding field for individuals with creative and artistic talent. Employment is expected to grow 10 percent through 2016 due to the demand from businesses needing creative and competitive websites, advertising, and interactive media design outreach; publishers; computer design companies; the video entertainment industry; and more. In addition, graphic designers with website design and animation experience can expect to see increases in design projects for interactive media design.

Bachelor of Arts in Interactive Media Design

The Bachelors of Arts in Interactive Media Design degree offers two areas of concentration: The arts based computer Game Design concentration and the programming based Computer Game Development concentration.

Course selections in the Computer Game Design concentration include both a solid grounding in the fine and visual arts, and hands-on practical core courses which stress the understanding of the underlying design processes and concept development. Students will learn firsthand how to create effective visual communication; how to develop and communicate design solutions; and how to create, capture and manipulate both traditional and new media design elements. All this is offered in a clear manner in keeping with the professional standards of their chosen field of study.

The program of study in Game Development prepares students for a career in the development and production of video games. This major features a solid base in computer programming fundamentals upon which core courses add the specific skills they need to apply their foundational knowledge in programming, art, concept design, engine design, animation and computer graphics to all aspects of video game development.

Game Design Concentration

In this 4 year undergraduate program which results in the awarding of a Bachelor of Arts in Interactive Media Design – Game Design Concentration, the course curriculum offers a foundation of traditional drawing, illustration, and art courses in addition to courses in 2D and 3D animation, audio, storytelling, character development, and game technology. The Game Design student also develops skills in scriptwriting, computer programming, animation, project management and online media production. Students learn industry-related software such as: Maya, Zbrush, and Gamemaker, and the complete suite of Adobe design software products including Photoshop, Illustrator, Dreamweaver and Flash. Students will also gain experience in C++ and C# working with Software Development Kits (SDK’s) such as those for mobile application and virtual reality. New courses have recently been added to cover the scriptwriting and sound development for video games. In addition, all students complete coursework in the liberal arts, the social sciences, and the laboratory sciences in keeping with the long-standing traditions of a liberal arts-based college degree. Students can further customize their curricula through internships, general elective coursework and free electives.
### Freshman Year

**Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>ACAD1001</td>
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<td>ENGL1003</td>
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<td>GAME1001</td>
<td>History of Game Development</td>
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<td>ENGL1001</td>
<td>English Composition I</td>
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<td>Elective (Math)</td>
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**Total:** 14

### Sophomore Year

**Fall Semester**

<table>
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<th>Course Code</th>
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<tbody>
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<td>CPTR1400</td>
<td>Computer Programming II</td>
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<td>DESIGN PROGRAM ELECTIVE</td>
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<td>Techniques of Raster Imaging</td>
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<td>ARTS2800</td>
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<td>Techniques of Vector Imaging</td>
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<td>Design Program Elective</td>
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<td>Intermediate Game Development</td>
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**Total:** 16

### Junior Year

**Fall Semester**

<table>
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<th>Course Code</th>
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<td>Computer Illustration for Game Design</td>
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<td>GAME3150</td>
<td>Level Design</td>
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<td>GAME3170</td>
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<td></td>
<td>Open Elective</td>
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**Total:** 15
### Senior Year

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<tbody>
<tr>
<td><strong>Design Program Elective</strong></td>
<td><strong>GAME4400</strong> Advanced Topics in Game Development</td>
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<td>GAME4300 Career Internship/Design Elective</td>
<td><strong>GAME4520</strong> Senior Game Project II</td>
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<td>GAME4510 Senior Game Project I</td>
<td><strong>GAME4610</strong> Portfolio</td>
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<td><strong>GAME4611</strong> Elective (Humanities)</td>
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<td>Elective (Social Science/Humanities)</td>
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**Total Credits:** 15 15

### Current Approved Program Electives* and Specializations

Students may choose to take any four approved program electives in order to complete the degree. If four courses are taken from any one group, students may earn a specialization in that discipline, which will appear on a student’s transcript. Multiple specializations may be earned. Students may choose to take four program electives which are not grouped in a specialization in order to meet their degree requirement.

The following non-required courses may be used to meet the requirements of a program elective/specializations:

Courses may be added or deleted from the approved program elective list at department discretion.

#### Art & Design Technique Specialization

*Available to all game concentrations*

- ARTS1003 Art History I
- ARTS1004 Art History II
- ARTS1100 Principles of Drawing
- ARTS1201 Drawing Studio: Systems and Techniques
- ARTS1202 Painting Studio
- ARTS1301 Principles of Design
- ARTS1801 Printmaking
- ARTS2100 Drawing II
- ARTS2300 Color Theory
- ARTS2400 Cartooning Basics
- ARTS2800 Life Drawing
- ARTS2003 Contemporary Art History
- GRPH2160 Introduction to Web Design
- GRPH2170 Principles of Digital Imaging
- GRPH2180 Animation and Motion Graphics
- GAME2110 Storyboarding
- GRPH3110 Advanced Web Design
- GAME3111 Computer Illustration for Game Design
- GRPH3140 Package Design
- GAME3160 Machinima
3D Modeling & Animation Specialization
Available to all game concentrations
GAME2301 Organic Modeling
GAME2302 Rendering and Compositing
GAME3302 Rigging for Animation
GAME4301 Character Animation

Creative Writing Specialization
Available to all game concentrations
ENGL2102 Advanced Composition
ENGL2202 Introduction to Drama
HUMN2207 American Cinema
HUMN2208 American Film Genres
ENGL2302 Short Story
ENGL2500 Mythology
ENGL3205 Creative Writing
GAME4120 Literary Development of Virtual Worlds

Game Audio Specialization
Available to all game concentrations
GAME2701 Digital Audio Production
GAME2703 Music Theory
GAME2702 Digital Music Studio
GAME3701 Music Composition for Games
GAME3702 Sound Design Toolbox
GAME4701 Game Audio Production Studio

Video Game Production and Management Specialization
Available to all game production and game design concentration only
ACCT1002 Managerial Accounting
GAME4400 Advanced Topics in Game Development
MGMT3205 Organizational Behavior
ACCT2004 Entrepreneurial Accounting
MGMT2505 Small Business Entrepreneurship Management
OR
MGMT2500 Small Business Management
MGMT3200 Financial Management
MKTG2104 Principles of Marketing
MKTG4400 Advanced Topics in Marketing
INFO3300 Business Analytics
MKTG4105 International Marketing
INFO2105 E-Commerce
INFO2500 Data Visualization
INFO3300 Business Analytics
INFO4200 Predictive Analytics
INFO4300 Big Data Analysis
INFO4500 Data Science Policy and Strategic Management
Game Programming Specialization

Available to game design and game management production concentration only

- CPTR2300 Data Structures
- GAME3135 Game Programming I
- GAME3145 Game Programming II
- CPTR3600 Networking I
- GAME4115 Artificial Intelligence

Japanese Culture Specialization

Available to all game concentrations

- JPNS1001 Japanese Language I
- JPNS1002 Japanese Language II
- HUMN2401 Elements of Japanese Culture
- HUMN3100 Intercultural Communication

Career Opportunities in the Game Design Concentration

The game industry represents $52.5 billion in worldwide sales, and expects to exceed $90 billion in the near future. This rapid growth has created a high demand for well-trained game designers who will become integral influencers for the next generation of games.

At Becker College, the Game Design concentration covers a variety of aspects of game development including level and overall game design, which targets the playability and fun factor of the game – the aim being to create the best game under the given circumstances, targeted specifically for the platform, the genre and the audience. In addition, the Game Design concentration offers preparation for careers in the art side of the business such as character or texture art and animation; in the music area such as sound design and composition; and in story design and screenwriting.

Computer Game Development and Programming Concentration

The rapid growth of the game industry has created a high demand for game developers and programmers who can combine their interest in programming with solid technical knowledge of game specific software and hardware in the creation of the next generation of computer games. The curriculum is comprehensive and provides the student with real world development and programming skills by offering courses in computer programming in object oriented languages such as C++, C# and Java, Direct X technologies, data structures, artificial intelligence, 3D modeling and animation, and game prototyping. The game development student will have solid computer programming skills that can be applied to any Information Technology (IT) career. In addition, all students complete coursework in the liberal arts, the social sciences, and the laboratory sciences in keeping with the longstanding traditions of a liberal arts-based college degree. Students can further customize their curricula through internships, general elective coursework and free electives.

The program seeks to impart to its students strong technical competence in fundamental programming principles along with specialized competence in the design tools needed to be successful in the interactive media field. At the same time the program seeks to nourish a student’s creative talents through opportunities for internships, electives and special projects, developing in the student a personal aesthetic as well as a high standard of individual excellence and professionalism.
### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
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### Sophomore Year

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<td>GRPH2130</td>
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<td>GRPH2120</td>
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### Junior Year

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## Senior Year

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<td>Game Program Elective</td>
<td>Game4400</td>
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<td>GAME4115 Artificial Intelligence</td>
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<td>GAME4520</td>
<td>Senior Game Project II</td>
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<td>GAME4510 Senior Game Project I</td>
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<td>Game4610</td>
<td>Portfolio</td>
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<tr>
<td>Open Elective</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
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<td>Elective (Career Internship or GAME/GRPH/INDS)</td>
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<td>Elective (Global Awareness and Diversity)</td>
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<td>Total Credits</td>
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*Approved MATH Electives*

- MATH2001 Functions and Pre-calculus
- MATH2005 Geometry
- MATH2105 Finite Math
- MATH2200 Statistics
- MATH2202 Calculus
- MATH2302 Calculus II
- MATH2400 Discrete Mathematics
- MATH3305 Linear Algebra

**If PHYS1003 has been taken, a four-credit lab science is required.**

### Current Approved Program Electives* and Specializations

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Courses may be added or deleted from the approved program elective list at department discretion.

**Art & Design Technique Specialization**

*Available to all game concentrations*

- ARTS1003 Art History I
- ARTS1004 Art History II
- ARTS1100 Principles of Drawing
- ARTS1201 Drawing Studio: Systems and Techniques
- ARTS1202 Painting Studio
- ARTS1301 Principles of Design
- ARTS1801 Printmaking
- ARTS2100 Drawing II
ARTS2300  Color Theory
ARTS2400  Cartooning Basics
ARTS2800  Life Drawing
ARTS2003  Contemporary Art History
GRPH2160  Introduction to Web Design
GRPH2170  Principles of Digital Imaging
GRPH2180  Animation and Motion Graphics
GAME2110  Storyboarding
GRPH3110  Advanced Web Design
GAME3111  Computer Illustration for Game Design
GRPH3140  Package Design
GAME3160  Machinima

3D Modeling & Animation Specialization
Available to all game concentrations
GAME2301  Organic Modeling
GAME2302  Rendering and Compositing
GAME3302  Rigging for Animation
GAME4301  Character Animation

Creative Writing Specialization
Available to all game concentrations
ENGL2102  Advanced Composition
ENGL2202  Introduction to Drama
HUMN2207  American Cinema
HUMN2208  American Film Genres
ENGL2302  Short Story
ENGL2500  Mythology
ENGL3205  Creative Writing
GAME4120  Literary Development of Virtual Worlds

Game Audio Specialization
Available to all game concentrations
GAME2701  Digital Audio Production
GAME2703  Music Theory
GAME2702  Digital Music Studio
GAME3701  Music Composition for Games
GAME3702  Sound Design Toolbox
GAME4701  Game Audio Production Studio

Video Game Production and Management Specialization
Available to all game production and game design concentration only
ACCT1002  Managerial Accounting
GAME4400  Advanced Topics in Game Development
MGMT3205  Organizational Behavior
ACCT2004  Entrepreneurial Accounting
MGMT2505  Small Business Entrepreneurship Management
OR
MGMT2500  Small Business Management
MGMT3200  Financial Management
MKTG2104 Principles of Marketing
MKTG4400 Advanced Topics in Marketing
INFO3300 Business Analytics
MKTG4105 International Marketing
INFO2105 E-Commerce
INFO2500 Data Visualization
INFO3300 Business Analytics
INFO4200 Predictive Analytics
INFO4300 Big Data Analysis
INFO4500 Data Science Policy and Strategic Management

Game Programming Specialization
Available to game design and game management production concentration only
CPTR2300 Data Structures
GAME3135 Game Programming I
GAME3145 Game Programming II
CPTR3600 Networking I
GAME4115 Artificial Intelligence

Japanese Culture Specialization
Available to all game concentrations
JPNS1001 Japanese Language I
JPNS1002 Japanese Language II
HUMN2401 Elements of Japanese Culture
HUMN3100 Intercultural Communication

Career Opportunities in the Game Development and Programming Concentration

Game programmers work at the heart of the game development process. They design and write the computer code that runs and controls the game, incorporating and adapting any ready-made code libraries and writing custom code as required. They test the code and fix bugs, and also develop customized tools for use by other members of the development team.

There are many different programming roles. Job titles include: Game programmer, Tools programmer, AI programmer, Middleware programmer. There are also many opportunities for game programming graduates in other industries which utilize skilled computer programmers.

Video Game Management and Production Concentration

The Video Game Production and Management concentration curriculum is designed to build leadership and production skills applicable to the gaming industry and will provide students with the background and experiences needed to navigate the game industry and lead an effective production team in entertainment or serious games. Course selection and sequencing is built on a solid core of business and project management, analysis and general education classes, combined with video game courses relevant to the interactive entertainment field.
### Freshman Year

<table>
<thead>
<tr>
<th></th>
<th>Fall Semester Credit Hours</th>
<th>Spring Semester Credit Hours</th>
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<tbody>
<tr>
<td>ACAD1001</td>
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<td>ENGL1003 Writing about Literature 3</td>
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<td>ACCT2004 Entrepreneurial Accounting 3</td>
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<td>ENGL1001</td>
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<td>INFO1001 Technology and Society 3</td>
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<td>MGMT1000</td>
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<td>GAME1120 Introduction to Game Design 3</td>
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<td>MATH2200 Statistics 3</td>
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### Sophomore Year

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<tr>
<td>Science Elective w/Lab</td>
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<td>MKTG2104</td>
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<td>GRPH2130 Techniques of Raster Imaging 3</td>
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<td>MGMT2505</td>
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<td>GAME2120 Intermediate Game Development 3</td>
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<tr>
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### Senior Year

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<tr>
<td>Elective (Social Science or Humanities) 2000+</td>
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<td>GAME4400 Advanced Topics in Game Development</td>
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<td>GAME4520 Senior Game Project II</td>
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<td>GAME4510 Senior Game Project I</td>
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<td>GAME4610 Portfolio</td>
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<td>Open Elective 2000+</td>
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<td>Humanities Elective 2000+</td>
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**Total Credits:** 123

### Current Approved Program Electives* and Specializations

Students may choose to take any four approved program electives in order to complete the degree. If four courses are taken from any one group, students may earn a specialization in that discipline, which will appear on a student’s transcript. Multiple specializations may be earned. Students may choose to take four program electives which are not grouped in a specialization in order to meet their degree requirement.

The following non-required courses may be used to meet the requirements of a program elective/specializations:

Courses may be added or deleted from the approved program elective list at department discretion.

**Art & Design Technique Specialization**

*Available to all game concentrations*

- ARTS1003 Art History I
- ARTS1004 Art History II
- ARTS1100 Principles of Drawing
- ARTS1201 Drawing Studio: Systems and Techniques
- ARTS1202 Painting Studio
- ARTS1301 Principles of Design
- ARTS1801 Printmaking
- ARTS2100 Drawing II
- ARTS2300 Color Theory
- ARTS2400 Cartoonsing Basics
- ARTS2800 Life Drawing
- ARTS2003 Contemporary Art History
- GRPH2160 Introduction to Web Design
- GRPH2170 Principles of Digital Imaging
- GRPH2180 Animation and Motion Graphics
- GAME2110 Storyboarding
- GRPH3110 Advanced Web Design
GAME3111  Computer Illustration for Game Design
GRPH3140  Package Design
GAME3160  Machinima

3D Modeling & Animation Specialization
Available to all game concentrations
GAME2301  Organic Modeling
GAME2302  Rendering and Compositing
GAME3302  Rigging for Animation
GAME4301  Character Animation

Creative Writing Specialization
Available to all game concentrations
ENGL2102  Advanced Composition
ENGL2202  Introduction to Drama
HUMN2207  American Cinema
HUMN2208  American Film Genres
ENGL2302  Short Story
ENGL2500  Mythology
ENGL3205  Creative Writing
GAME4120  Literary Development of Virtual Worlds

Game Audio Specialization
Available to all game concentrations
GAME2701  Digital Audio Production
GAME2703  Music Theory
GAME2702  Digital Music Studio
GAME3701  Music Composition for Games
GAME3702  Sound Design Toolbox
GAME4701  Game Audio Production Studio

Video Game Production and Management Specialization
Available to all game production and game design concentration only
ACCT1002  Managerial Accounting
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MGMT3205  Organizational Behavior
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MGMT3200  Financial Management
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MKTG4400  Advanced Topics in Marketing
INFO3300  Business Analytics
MKTG4105  International Marketing
INFO2105  E-Commerce
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INFO4200  Predictive Analytics
INFO4300 Big Data Analysis
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Game Programming Specialization
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concentration only
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GAME3135 Game Programming I
GAME3145 Game Programming II
CPTR3600 Networking I
GAME4115 Artificial Intelligence

Japanese Culture Specialization
Available to all game concentrations
JPNS1001 Japanese Language I
JPNS1002 Japanese Language II
HUMN2401 Elements of Japanese Culture
HUMN3100 Intercultural Communication

Career Opportunities in the Game Production and Management Concentration

This concentration prepares graduates to take on roles in the video game and interactive media industries ranging from small team management (project management, scrum master, and more) and marketing/research assistants to higher-level positions such as title or line production. Video game producers and associate producers tend to specialize in areas of expertise specific to their skills and backgrounds. These specializations include, but are not limited to: programming, design, art, sound, and quality assurance. Whether the job is a line producer, or overall executive producers, these individuals are in charge of delivering product on time, on budget and on goal.

Bachelor of Arts in Global Citizenship

The B.A. in Global Citizenship is rooted in servant leadership and actionable empathy integrating the values of academic excellence, accountability, community and diversity, social responsibility, integrity, and creative expression. The major is designed for motivated students who:

- recognize the worth of obtaining diverse and knowledgeable worldviews;
- are aware of the growing interconnectedness of the world; and
- realize the necessity of developing skills in critical and creative thinking, social, emotional, and cultural intelligence, and collaboration through diverse lenses.

The curriculum combines theory, best practice, and research; cross-cultural problem solving and dialogue around common global issues; internships in local or global settings; community service; and cultural immersion experiences.

Students may deviate from the sample curriculum plan as long as degree requirements are satisfied.

In addition to the course requirements specified below, students must complete EITHER two service-learning trips OR a study-abroad semester (or college-approved equivalent experience).
### Freshman Year

**Fall Semester**

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<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Course</th>
<th>Credit Hours</th>
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**Spring Semester**

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<tbody>
<tr>
<td>ENGL1003</td>
<td>Writing About Literature</td>
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<tr>
<td>INFO1001</td>
<td>Technology &amp; Society</td>
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<tr>
<td>HUMN2103</td>
<td>Global Citizenship and Community Engagement</td>
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<tr>
<td>HUMN2107</td>
<td>American and the Contemporary World</td>
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<td>MATH1200</td>
<td>Statistics</td>
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**Sophomore Year**

**Fall Semester**

<table>
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<tr>
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<td>PSYC2110</td>
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**Spring Semester**

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<tr>
<th>Course</th>
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<tr>
<td>SOCI2100</td>
<td>Women of the World: Health, Social Challenges, and Solutions</td>
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<tr>
<td>ENVS1002</td>
<td>Environmental Science II w/Lab or Science elective w/Lab</td>
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<tr>
<td>ENGL2003</td>
<td>Public Speaking</td>
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<td>HUMN3901</td>
<td>Global Citizenship Internship (1st setting)</td>
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**Credit Hours**: 14

**Credit Hours**: 15
### Junior Year

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<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>SOCI3600 Global Poverty and Economic Inequality</td>
<td>3</td>
<td>HUMN3901 Global Citizenship (2nd setting)</td>
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<tr>
<td>HUMN3100 Intercultural Communications</td>
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<td>HUMN3130 Globalization and Social Justice</td>
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<tr>
<td>SOCI3110 Human Geography</td>
<td>3</td>
<td>PHIL3001 Ethics or</td>
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<tr>
<td>HUMN4100 Action Research</td>
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<td>MGMT3705 Business Ethics and Social Responsibility</td>
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### Senior Year

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<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HUMN3110 Voices of the World I: Global Cultures</td>
<td>3</td>
<td>HUMN3120 Voices of the World II: The American Immigrant Experience</td>
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<tr>
<td>Cultural Anthropology</td>
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<td>LGLS3292 Conflict Resolution</td>
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<td>Health Elective</td>
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<td>HUMN4501 Global Citizenship Capstone Seminar II</td>
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<td>Program Elective</td>
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<td>HUMN4500 Global Citizenship</td>
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Each student must complete a specialization by choosing a minimum of four courses from the desired specialization area.

**Global Health and Development**
- IDHE1103 Essentials of Health Assessment and Promotion
- VTSC30UG OneHealth
- IDHE3200 Technology and Healthcare Informatics
- IDHE4404 Health Promotion and Disease Prevention
- IDHE4402 Social Policy and Healthcare Leadership

**Global Political Economy**
- ECON2001 Microeconomics
- ECON2002 Macroeconomics
- MGMT3300 Contemporary Economics
- GOVT3001 Political Theory
- MGMT3105 Global Marketing
Management
MGMT4300 Managing in the Global Economy
MGMT3290 Human Behavior in Organizations
MGMT4400 Current Issues in Strategic Planning
MGMT3890 Managing Diversity in the Changing Workplace
MGMT1805 Introduction to Project Management
MGMT2805 Project Planning and Control

Education
PSYC1002 Developmental Child Psychology
EDUC2207 Health and Safety of Young Children
PSYC2806 Educational Psychology
EDUC2405 Observing, Documenting and Assessing Young Children
EDUC2700 Teaching English Language Learners

Bachelor of Arts in Early Childhood and Youth Education

The Bachelor of Arts in Early Childhood and Youth Education degree will help you develop the skills essential for making a positive impact on children and youth in a variety of settings, give you real-world application through field experience, and provide invaluable knowledge for making significant contributions to the growth of children and youth. Upon graduation, you will be prepared to work with children from birth to age 14 in a variety of community agencies and educational settings.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<td>PSYC1002</td>
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<td>EDUC1004</td>
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### Sophomore Year

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<td><strong>Fall Semester</strong></td>
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<td>EDUC2203</td>
<td>Diverse Learners in the Classroom</td>
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<td>EDUC1001</td>
<td>Behavior and the Young Child</td>
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<td>EDUC2405</td>
<td>Observing, Documenting and Assessing Children</td>
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<td>ENGL1006</td>
<td>Children’s Literature</td>
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### Junior Year

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<td>EDUC2004</td>
<td>Administering and Evaluating Quality Programs for Young Children and Youth</td>
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<td>EDUC2500</td>
<td>Practicum I</td>
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<td>EDUC3101</td>
<td>Foundations of Literacy</td>
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<td>MATH2200</td>
<td>Statistics</td>
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<td>ENGL2003</td>
<td>Public Speaking</td>
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<td>PSYC2806</td>
<td>Educational Psychology</td>
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<td>SOCI2400</td>
<td>Social Problems</td>
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<td>EDUC3203</td>
<td>Math, Science and Technology for Young Children</td>
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<td>Elective (Health)</td>
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### Senior Year

<table>
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<th>Semester</th>
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<td>Elective (Global Awareness and Diversity)</td>
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Total Credits: 123
Bachelor of Arts in Liberal Arts

The Liberal Arts program provides a balanced exposure to the major achievements of mankind in the arts, sciences, humanities, and social sciences. Students will be encouraged to explore three basic themes throughout their course of study: "The Literary Tradition," "Historical and Contemporary Ways of Viewing the World," and "Self and Society." The core courses in this program seek to provide an appreciation of the philosophical, ethical and aesthetic issues that have evolved in the history of humanity. Students who select a concentration in Elementary Education will complement the core curriculum with courses which prepare them for specialized employment or graduate work.

Students who graduate with a Bachelor of Arts in Liberal Arts will be prepared to enter the workforce with the tools of the Liberal Arts disciplines – reasoned investigation; analysis of the influence of multiple perspectives; clear and effective communication. Further, the in-depth study of a particular area of interest will prepare students for specialized graduate work in law, humanities, social services or administration, journalism, communication, or public policy/organization.

All Liberal Arts students who do not complete a concentration must declare and complete a minor in their junior and senior years. Sequence may vary as long as prerequisites are met.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MATH1200 College Algebra</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
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<td>INFO1001 Technology and Society</td>
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<tr>
<td>HIST1308 U.S. History I</td>
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<td>PHIL1001 Introduction to Philosophy</td>
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<td>HUMN1001 Introduction to the Humanities</td>
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<td>PSYC1001 Introduction to Psychology</td>
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Sophomore Year

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<th>Spring Semester</th>
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<tr>
<td>GOVT1108 American Government or GOVT1109 State and Local Government</td>
<td>3</td>
<td>ENGL2003 Public Speaking</td>
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<td>Elective (History)</td>
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## Junior Year

<table>
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<th>Credit Hours</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>ENGL2200 American Literature I or ENGL2201 American Literature II</td>
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<td>MATH2200 Statistics</td>
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<tr>
<td>PHIL3001 Ethics</td>
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<td>HUMN2103 Global Citizenship</td>
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<tr>
<td>ARTS1003 Art History I or Elective (History 3000+)</td>
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<td>Open Elective (2000+)</td>
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<td>ARTS1004 Art History II</td>
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<td>Elective (English 3000+)</td>
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## Senior Year

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<td>HIST3100 American Constitutional History Elective (English 3000+)</td>
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<td>Open Elective (3000+)</td>
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<td>GOVT3001 Political Theory</td>
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<td>Open Elective (3000+) or Internship</td>
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## Bachelor of Arts in Liberal Arts - Global Citizenship Concentration

The concentration in Global Citizenship is designed to prepare students with the knowledge, skills, values, and propensities to live their lives as citizens and workers so that they may thrive, contribute to, and lead in a global society. Courses and experiences have a commitment to community engagement, global awareness, cross-cultural immersion, an ethical reasoning and problem-solving. The concentration will enable students to understand the world through the eyes of others and teach them how their actions can affect, and be affected by, people around the world.

Whether students pursue advanced study or careers in education, international relations, politics, media, public policy, or non-profit organizations, they will find in the global citizenship concentration an inspiring course of study for understanding our changing world. Travel, service learning, place-based projects, immersion experiences, and an internship form the foundation for the concentration.

Potential areas of graduate study for Liberal Arts majors with the Global Citizenship concentration include international relations, economics, social policy, anthropology, sociology, public/community health, peace and conflict resolution, political science, environmental science, cross-cultural studies, and public policy.
The sample curriculum sequence illustrates how a student might progress through the program. Sequence may vary as long as prerequisites are met. Courses for the concentration are highlighted.

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MATH1200  College Algebra</td>
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<td>INFO1001  Technology &amp; Society</td>
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<td>ENGL1001  English Composition I</td>
<td>3</td>
<td>ENGL1003  Writing about Literature</td>
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<tr>
<td>HIST1308  US History I</td>
<td>3</td>
<td>PHIL1001  Introduction to Philosophy</td>
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<td>HUMN1001  Introduction to Humanities</td>
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<td>SOCI1001  Introduction to Sociology</td>
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<tr>
<td>PSYC1001  Introduction to Psychology</td>
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<td>HUMN2103  Global Citizenship and Community Engagement</td>
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**Sophomore Year**

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<tr>
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<td>Science Elective w/ Lab</td>
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<tr>
<td>GOVT1108  American Government or</td>
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<td>Elective (Health Education)</td>
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<tr>
<td>GOVT1109  State and Local Government</td>
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<td>SOCI2100  Women of the World: Health, Social Challenges, and Solutions</td>
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<td>SOCI2400  Social Problems</td>
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## Junior Year

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<tbody>
<tr>
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<td>American Literature I or II</td>
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<td>MATH2200 Statistics</td>
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<tr>
<td>ENGL2201</td>
<td>American Literature II</td>
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<td>HUMN2405 Religions of the World</td>
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<td>Ethics</td>
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<td>Art History I or II</td>
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<td>ARTS1004</td>
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## Senior Year

<table>
<thead>
<tr>
<th></th>
<th>Fall Semester</th>
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<th>Spring Semester</th>
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<tbody>
<tr>
<td>HIST3100</td>
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<td>HUMN2200 Cultural Anthropology</td>
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<td>Intercultural Communication</td>
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<td>GOVT3001 Political Theory</td>
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<td>LGLS3292 Conflict Resolution</td>
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<tr>
<td></td>
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<td>Total Credits:</td>
<td>124</td>
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</tbody>
</table>

**Recommended Courses:**
- Environmental Science (science option)
- Language (HUMN elective or open elective)
- PSYC2105 Social Psychology

**Bachelor of Arts in Liberal Arts – Pre-Law Concentration**

The B.A. in Liberal Arts Pre-Law Concentration is designed to make it possible for students from diverse backgrounds to enter the legal profession. Students are generally successful in law school when their undergraduate major focuses on the development of reading, writing, critical thinking, reasoning, analytical skills, and human experience. In general, this program is designed to help students evaluate whether a law career is the right career, increasing the student’s understanding that pre-law academic studies apply to a wide range of employment arenas beyond the legal profession. Open electives provide flexibility and allow students to explore individual interests.
## Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
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</tr>
<tr>
<td>MATH1200  College Algebra</td>
<td>3</td>
<td>ENGL1003 Writing About Literature</td>
</tr>
<tr>
<td>ENGL1001  English Composition I</td>
<td>3</td>
<td>INFO1001 Technology &amp; Society</td>
</tr>
<tr>
<td>HIST1308  US History I</td>
<td>3</td>
<td>PHIL1001 Introduction to Philosophy</td>
</tr>
<tr>
<td>HUMAN1001 Introduction to Humanities</td>
<td>3</td>
<td>SOCI1001 Introduction to Sociology</td>
</tr>
<tr>
<td>PSYC1001  Introduction to Psychology</td>
<td>3</td>
<td>Elective (Health Education)</td>
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<tr>
<td>ACAD1001  First Year Experience</td>
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</table>

| **Spring Semester**            |              |              |
| MATH1200  College Algebra      | 3            | ENGL1003 Writing About Literature | 3 |
| ENGL1001  English Composition I | 3            | INFO1001 Technology & Society    | 3 |
| HIST1308  US History I         | 3            | PHIL1001 Introduction to Philosophy | 3 |
| HUMAN1001 Introduction to Humanities | 3        | SOCI1001 Introduction to Sociology | 3 |
| PSYC1001  Introduction to Psychology | 3        | Elective (Health Education)     | 3 |
| ACAD1001  First Year Experience | 2            |              | 17 |

## Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
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<tr>
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<tr>
<td>ENGL2102  Advanced Composition or Elective (English 2000+)</td>
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<td>ENGL2003 Public Speaking</td>
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<tr>
<td>Science Elective w/ Lab</td>
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<td>Elective (History)</td>
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<tr>
<td>GOVT1108  American Government or</td>
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<td>LGLS2600 Computer Applications for the Legal Profession</td>
</tr>
<tr>
<td>GOVT1109  State and Local Government Elective (Psychology 2000+)</td>
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<td>LGLS2205 Legal Aspects of Business or</td>
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<tr>
<td>LGLS2102  Criminal Law</td>
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<td>LGLS3205 Business Law</td>
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| **Spring Semester**            |              |              |
| ENGL2102  Advanced Composition or Elective (English 2000+) | 3 | ENGL2003 Public Speaking | 3 |
| Science Elective w/ Lab        | 4            | Elective (History) | 3 |
| GOVT1108  American Government or | 3            | LGLS2600 Computer Applications for the Legal Profession | 3 |
| GOVT1109  State and Local Government Elective (Psychology 2000+) | 3 | LGLS2205 Legal Aspects of Business or | 3 |
| LGLS2102  Criminal Law          | 3            | LGLS3205 Business Law        | 3 |

## Junior Year

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<tr>
<td>ENGL2200  American Literature I or</td>
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<td>ENGL2201  American Literature II</td>
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<td>LGLS2300 Legal Research and Writing Techniques</td>
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<td>PHIL3001  Ethics</td>
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<td>MATH2200 Statistics</td>
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<tr>
<td>ARTS1003  Art History I or</td>
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<td>ARTS1004  Art History II</td>
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<td>Elective (History 3000+)</td>
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<td>Elective (Global Awareness and Diversity)</td>
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<td>Open Elective (3000+)</td>
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| **Spring Semester**            |              |              |
| ENGL2200  American Literature I or | 3 | LGLS2107 Family Law | 3 |
| ENGL2201  American Literature II | 3 | LGLS2300 Legal Research and Writing Techniques | 3 |
| PHIL3001  Ethics                | 3            | MATH2200 Statistics | 3 |
| ARTS1003  Art History I or      | 3            | Elective (Humanities 3000+) or | 3 |
| ARTS1004  Art History II        | 3            | Elective (History 3000+) | 3 |
| Elective (History 3000+)        | 3            | Elective (History 3000+) | 3 |
| Elective (Global Awareness and Diversity) | 3 | Open Elective (3000+) | 3 |
Senior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HIST3100 American Constitutional History</td>
<td>3</td>
<td>HUMN2200 Cultural Anthropology</td>
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<tr>
<td>LGLS3001 Advanced Legal Writing &amp; Analysis</td>
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<td>GOVT3001 Political Theory</td>
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<td>Elective (Humanities 2000+)</td>
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<td>LIBA4100 Seminar in Liberal Arts</td>
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<td>Open Elective (2000+)</td>
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<td>Open Elective (4000+)</td>
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<tr>
<td>Open Elective (3000+)</td>
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<td>LGLS3292 Conflict Resolution</td>
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<tr>
<td><strong>Total Credits:</strong></td>
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Bachelor of Arts in Psychology

The Department of Teacher Education and Family Studies is designed to provide the knowledge and experiences that would benefit students who plan to become Early Childhood or Elementary teachers or work with children, adolescents, and families within a broad range of community agencies. Throughout their course of study, students will have numerous opportunities to participate in guided observations and complete internships or practica experiences in rural, suburban and inner-city settings including the Becker College laboratory school. Graduates of this program will be prepared for entry-level positions in a variety of professions within schools and/or community agencies such as:

- Pre K-Second Grade Teacher
- Elementary School Teacher (1-6)
- Family Planning Agencies
- Early Intervention Counselor
- Residential Counselor
- ABA Specialist
- Social Worker
- Family Services, Program Coordinator
- Social Welfare Service Aide
- Inter-generational Care Counselor
- Conflict Resolution Counselor
- Child Care Resource and Referral Agent
- Licensed Child Care Provider
- Teacher in Private and Charter Schools
- Residential Counselor
- Governess or Nanny
- Recreational Program Counselor
- Head Start
  - Classroom Teacher
  - Parent Educator
  - Family Advocate Worker

An accelerated B.A. to M.A. program affords Becker College undergraduate students an opportunity to gain conditional acceptance into the Master of Arts in Mental Health Counseling program as early as
the summer before their senior year. Upon graduation, including a successful completion of all B.A. to M.A. requirements, this accelerated student will be awarded unconditional acceptance into the graduate program, and will require 1.5 years to complete the Master of Arts degree curriculum. Refer to the Division of Graduate Studies section.

This sample curriculum sequence illustrates how a student might progress through the traditional undergraduate program. Course sequencing may vary as long as prerequisites are met.

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ACAD1001 First Year Experience</td>
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<td>ENGL1003 Writing about Literature</td>
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<td>MATH1200 College Algebra</td>
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<td>INFO1001 Technology &amp; Society</td>
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<td>ENGL1001 English Composition I</td>
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<td>PSYC1002 Developmental Child Psychology or</td>
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<td>PSYC2001 Psychology of Adjustment</td>
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<td>PSYC1107 Human Growth and Development</td>
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**Sophomore Year**

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</table>
Bachelor of Arts in Psychology – Addictions Counseling Concentration

Addictions Counseling is one of the fastest areas of growth in the field of Human Services and one of the few areas in which an individual with a bachelor of arts degree can obtain professional licensure.

This concentration satisfies the requirements to sit for a CADAC license examination upon graduation. Students will be prepared for graduate study in the area of counseling/clinical psychology. Students will be prepared for employment as a Certified Alcohol and Drug Addictions Counselor.
### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>2</td>
<td>ENGL1003 Writing about Literature</td>
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<td>MATH1200 College Algebra</td>
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<td>INFO1001 Technology and Society</td>
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<td>ENGL1001 English Composition I</td>
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<td>PSYC2105 Social Psychology</td>
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<tr>
<td>PSYC1001 Introduction to Psychology</td>
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<td>PSYC1107 Human Growth and Development</td>
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<td>PSYC2001 Psychology of Adjustment</td>
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<td>SOCI1001 Introduction to Sociology</td>
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<td>MATH2200 Statistics</td>
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<td>PSYC2303 Psychopharmacology for Counselors</td>
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<td>PSYC2808 Psychological Tests and Measures</td>
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<td>PSYC2603 Brain and Behavior</td>
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### Junior Year

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<td>PSYC3300 Addictions Counseling</td>
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<td>PSYC3400 Abnormal Psychology</td>
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<td>PSYC2110 Cultural Competence for Human Service Workers</td>
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<tr>
<td>Humanities / Social Science Elective</td>
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Senior Year

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<td>PSYC4600 Senior Seminar in Psychology</td>
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<td>PSYC4005 Research Methods in Behavioral Science w/Lab</td>
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Bachelor of Arts in Psychology – Applied Behavior Analysis Concentration

The concentration in Applied Behavior Analysis (ABA) is designed to prepare students for a career as a Behavior Therapist/ABA Counselor. Behavior analysts help people learn new behaviors, increase or reduce existing behavior, and teach individuals when to use specific behavior in specific instances. Behavior therapists provide services to individuals, families, group homes, schools, mental health agencies, hospitals, and other agencies working with individuals requiring adaptive living strategies. Most commonly, individuals with the BCABA credential provide services to individuals with special needs, such as children with autism.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.

Freshman Year

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<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
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<td>ACAD1001 First Year Experience</td>
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<td>MATH1200 College Algebra</td>
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<td>ENGL1001 English Composition I</td>
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<td>ENGL1006 Children’s Literature or English Literature 2000+ Elective</td>
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**Sophomore Year**

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<td>PSYC1107 Human Growth and Development or</td>
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<td>PSYC1013 Practicum in Applied Behavior Analysis</td>
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<td>PSYC1002 Developmental Child Psychology</td>
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<td>PSYC2705 Concepts and Principles in Applied Behavior Analysis</td>
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**Junior Year**

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<td>PSYC3013 Practicum in Applied Behavior Analysis</td>
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<td>PSYC3200 Psychology of Family</td>
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<td>ENGL2003 Public Speaking</td>
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Senior Year

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<tr>
<td>PSYC4005 Research Methods in Behavioral Sciences with Lab</td>
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<td>PSYC3400 Abnormal Psychology</td>
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<td>PSYC3402 Child Psychopathology</td>
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<td>PSYC4306 Counseling Theory and Practice</td>
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<td>PSYC3305 Group Counseling</td>
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<td>EXSC3205 Drugs and Society</td>
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<tr>
<td>PSYC3710 Advanced Strategies for Changing Behavior</td>
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<td>Global Awareness &amp; Diversity</td>
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<td>PSYC2603 Brain &amp; Behavior or PSYC3100 Cognitive Psychology</td>
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Bachelor of Arts in Psychology – Forensic Psychology Concentration

Forensic Psychology applies psychology to the law and the legal system. Forensic psychologists study problems of crime prevention, rehabilitation programs in prisons, courtroom dynamics, psychology and the law, and issues related to effective policing. Over the last 20 years, the field of forensic psychology has maintained a steady growth rate. It is expected that over the next ten years, consultation, research work, and clinical practice in psychology and the law will continue to grow. Positions working with lawmakers, attorneys, and the courts are predicted to have the highest demand. Changing laws and the development of new ways to deal with juvenile offenders have become hot topics within the field.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ACAD1001 First Year Experience</td>
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<td>ENGL1003 Writing about Literature</td>
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<td>MATH1200 College Algebra</td>
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<td>INFO1001 Technology and Society</td>
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<td>ENGL1001 English Composition I</td>
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<td>PSYC1107 Human Growth and Development</td>
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<td>PSYC1001 Introduction to Psychology</td>
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<td>SOCI1001 Introduction to Sociology</td>
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<td>JUST1100 Criminal Justice System &amp; Process</td>
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<td>PSYC2105 Social Psychology</td>
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### Sophomore Year

#### Fall Semester
- Elective Science with/Lab (BIOL2503 recommended) 4
- MATH2200 Statistics 3
- EXSC3205 Drugs and Society 3
- PSYC2001 Psychology of Adjustment 3
- PSYC2014 Writing for Psychology 3

#### Spring Semester
- Elective (Science w/Lab (BIOL2504 recommended)) 4
- Elective (Criminal Justice) 3
- PSYC2400 Forensic Psychology 3
- PSYC2107 Experimental Psychology 3
- Elective (Global Awareness and Diversity) 3

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### Junior Year

#### Fall Semester
- PSYC2603 Brain and Behavior 3
- PSYC3902 Psychology Internship I and Seminar or 3
- PSYC3903 Psychology Internship II and Seminar or 3
- HUMN3901 Global Citizenship Internship 3
- Elective (MATH or INFO 2000+) 3
- PSYC2405 Correctional Psychology 3
- PSYC3400 Abnormal Psychology 3
- SOCI2001 Criminology 3

#### Spring Semester
- SOCI2400 Social Problems 3
- ENGL2003 Public Speaking 3
- Elective (Humanities) 3
- Elective (Health) 3
- Open Elective 3

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### Senior Year

#### Fall Semester
- JUST2204 Victimology & Victim Services 3
- LGLS2102 Criminal Law 3
- SOCI3200 Deviance & Social Control 3
- PSYC3100 Cognitive Psychology 3
- PSYC4005 Research Methods w/Lab 4

#### Spring Semester
- PSYC4400 Criminal Minds 3
- PSYC4600 Senior Seminar in Psychology 3
- Open Elective 3
- Elective (Criminal Justice 3000+) 3
- Elective (History) 3

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</table>
Bachelor of Arts in Psychology – Health and Human Services Concentration

This concentration is designed for the student wishing to pursue a career in the areas of Social Work, Human Service Delivery, Clinical or Community Psychology. Students are prepared for graduate study in the fields of social work, public health, and nonprofit administration. This concentration is interdisciplinary in its focus on health, business, and psychology. Bachelor’s level graduates can assume positions such as: caseworker, admissions counselor, employment counselor, employment interviewer, health care facility administrator, human resource advisor, patient resources and reimbursement agent, personnel recruiter, benefits manager, community organization leader, trainer, or employee health maintenance program specialist.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<td>SOCI1001 Introduction to Sociology</td>
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Sophomore Year

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<td>MATH2200 Statistics</td>
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<td>PSYC2506* Case Management Practice</td>
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<td>IDHE1206 Medical Terminology</td>
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<td>JUST2204 Victimology &amp; Victim Services</td>
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<td>PSYC2107 Experimental Psychology</td>
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### Junior Year

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<tr>
<td>PSYC4005 Research Methods w/Lab</td>
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<td>ENGL2003 Public Speaking</td>
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<tr>
<td>PSYC3400 Abnormal Psychology</td>
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<td>HUMN2103 Global Citizenship and Community Engagement</td>
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| Total Credits: | 16 | 15 |

### Senior Year

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<td>Elective (Psychology)</td>
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<td>PSYC3100 Cognitive Psychology</td>
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<td>PSYC3903 Psychology Internship and Seminar II</td>
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<td>Elective (History)</td>
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</table>

| Total Credits: | 18 | 15 |

Students take four (4) of the courses from this group; Students who wish to take IDHE4402 must take MGMT2200 and IDHE3102 as well in order to meet prerequisites.

- MGMT2200 Principles of Management and Leadership
- MGMT2500 Small Business Management
- MGMT2505 Small Business Entrepreneurship
- MGMT3400 Human Resource Management
- MGMT3205 Organizational Behavior
- MGMT3290 Human Behavior in Organizations
- IDHE3102 Business of Healthcare
- IDHE4402 Social Policy and Healthcare Leadership
Bachelor of Arts in Psychology – Mental Health Counseling Concentration

This concentration is designed for the student who wishes to pursue a career in the area of mental health counseling/clinical psychology. The program prepares students for graduate study in Mental Health Counseling, Rehabilitation Counseling, or Clinical Psychology. Bachelor’s level graduates can assume positions such as: case worker, psychiatric aide/attendant, psychiatric technician, psychosocial rehabilitation specialist (PSR), or residential counselor.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
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**Sophomore Year**

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<td>PSYC2107 Experimental Psychology</td>
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<tr>
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### Junior Year

#### Fall Semester

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<td>PSYC3400</td>
<td>Abnormal Psychology</td>
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<td>Elective (MATH/INFO 2000+)</td>
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<td>PSYC3902</td>
<td>Psychology Internship I and Seminar or Addictions Counseling</td>
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<td>ENGL2003</td>
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#### Spring Semester

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<tr>
<td>Elective (History)</td>
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<td>Elective (Humanities)</td>
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### Senior Year

#### Fall Semester

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<td>PSYC3100</td>
<td>Cognitive Psychology</td>
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#### Spring Semester

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<td>PSYC4306</td>
<td>Counseling Theory</td>
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### Bachelor of Arts in Psychology – Pre-Med / Health Studies Concentration

Medical schools vary widely in what is required of their students. Most encourage students to explore a wide range of courses outside the sciences and strive for a balanced and liberal education rather than specialized training. In fact, a Harvard Medical School study has shown that students are successful in their medical studies regardless of their undergraduate concentration, as long as they demonstrate an aptitude in the biological and physical sciences.

Psychology majors constitute the second-largest major of students in medical school and those interested in health-related professions. This background of study holds particular value for those pre-med students who are interested in psychiatry, pediatrics, or behavioral medicine. Students in this concentration will also be prepared for professional graduate programs in the areas of veterinary medicine, dentistry, and occupational therapy.
### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
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<tbody>
<tr>
<td>ACAD1001 First Year Experience</td>
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<td>MATH2001 Pre-Calculus</td>
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<td>ENGL1001 English Composition I</td>
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<td>PSYC1107 Human Growth and Development</td>
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<td>PSYC2001 Psychology of Adjustment</td>
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<td>INFO1001 Technology and Society</td>
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### Sophomore Year

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<td>BIOL2504 Anatomy and Physiology II or</td>
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<tr>
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<td>BIOL1006 Anatomy and Physiology of Domestic Animals II</td>
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<td>IDHE1206 Medical Terminology</td>
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<td>PSYC2303 Psychopharmacology for Counselors</td>
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### Junior Year

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<tbody>
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<td>PHYS2002 Physics II</td>
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<tr>
<td>CHEM2101 Organic Chemistry</td>
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<td>CHEM2102 Organic Chemistry</td>
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<td>PSYC3400 Abnormal Psychology</td>
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<td>PSYC3902 Psychology Internship and Seminar I or</td>
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<tr>
<td>PSYC2603 Brain and Behavior</td>
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<td>PSYC3903 Psychology Internship and Seminar II</td>
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<td>MATH2200 Statistics or Biostatistics</td>
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<td>BIOL3200 Biostatistics</td>
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<td>HUMN2103 Global Citizenship and Community Engagement</td>
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Senior Year

<table>
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<tr>
<th>Fall Semester</th>
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<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL3500 Genetics</td>
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<td>PSYC4600 Senior Seminar</td>
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<td>History Elective</td>
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<td>Health Elective</td>
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<td>PSYC3100 Cognitive Psychology</td>
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<td>PSYC3605 Zoobiquity Theory</td>
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<td>PSYC4005 Research Methods in</td>
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<td>PHIL3300 Medical Ethics</td>
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<td>Behavioral Sciences with Lab</td>
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***It is expected that students entering this major will have strong academic backgrounds, particularly in math and science. Students whose placement scores require them to take college algebra will take it in their freshman fall semester, and take INFO1001 in their Junior fall semester. These students will not be required to take an additional MATH / INFO elective.

Bachelor of Science in Biology

The objective of the Biology major is to offer a sound undergraduate program that provides a solid foundation for graduate studies or a base of educational experience in preparation for a career immediately after graduation in the biological sciences.

Course selection within the major allows sufficient flexibility to accomplish this objective. The courses offered are relevant to many academic disciplines. Numerous science elective choices provide the student with the opportunity to choose a pathway toward special areas of interest in the major. For example, a student, working closely with a faculty advisor, can develop a program directed toward areas such as the human health sciences, laboratory and animal sciences, biotechnology or pre-professional preparation (medical, dental, veterinary and other health sciences requiring post-baccalaureate education). Besides Biology, Basic Sciences and Mathematics core courses, the student has the opportunity to personalize the major by making selections from a variety of science elective courses.

The Bachelor’s degree is generally considered the entry level for study in Biology and serves as the pathway for graduate degrees in Biology, a variety of specific Master’s degrees in the sciences, and a number of professional courses of study such as Pharmacy, Dentistry, Nursing, Physician’s Assistant, and Medicine.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
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<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>BIOL1002 Biology II</td>
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<td>ENGL1001 English Composition</td>
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### Sophomore Year

**Fall Semester**

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<th>Course Name</th>
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<td>BIOL3001</td>
<td>Cell Biology</td>
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<td>CHEM2101</td>
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<td>MATH2001</td>
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**Spring Semester**

### Junior Year

**Fall Semester**

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<td>BIOL1005</td>
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<td>BIOL2503</td>
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<td>BIOL1006</td>
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<td>ENVS1001</td>
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<td>ENV1002</td>
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**Spring Semester**

### Senior Year

**Fall Semester**

<table>
<thead>
<tr>
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<td>BIOL4902</td>
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<td>BIOL4500</td>
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<td>Health Education Elective</td>
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**Science Electives for Biology include:**

- ANSC2000  Introduction to Laboratory Animal Science  2 credits
- ANSC2401  Animal Nutrition  3 credits
- ANSC2501  Animal Breeding  3 credits
- EXSC2205  Structural Kinesiology  3 credits
FORE2001  Introduction to Forensics  4 credits
FORE2002  Collection/Preservation of Evidence  4 credits
PSYC2603  Brain and Behavior  3 credits
VTSC1101  Clinical Veterinary Experience I  4 credits
VTSC1102  Clinical Veterinary Experience II  4 credits
VTSC1200  Veterinary Pharmacology  2 credits
VTSC2101  Veterinary Hematology  3 credits
VTSC2102  Clinical Pathology  3 credits
VTSC3401  Pathophysiology of Disease  3 credits
VTSC3600  Clinical Veterinary Nutrition  3 credits

3000+ Science electives for Biology include:

ANSC3100  Animals in Society  3 credits
ANSC3503  Equine Reproduction and Breeding Management  3 credits
ANSC4700  The World of Research  3 credits
BIOL3201  Primatology  3 credits
BIOL3202  Histology  4 credits
BIOL3520  Genomics  3 credits
EQST3701  Equine Biomechanics and Conformation  3 credits
EQST4201  Equine Pathology and Disease  3 credits
EXSC3105  Nutrition  3 credits
EXSC3300  Exercise Physiology  4 credits
EXSC3500  Human Sexuality  3 credits
VTSC3100  Laboratory Animal Management  3 credits
VTSC3400  Immunology  3 credits
VTSC4102  Laboratory Animal Diseases  3 credits
Biol4902  Internship II  3 credits

Note: prerequisites must be met for all courses.
Open electives may be used for this purpose.

While the distribution of science electives representing 15 credits is shown as 6 courses, since course credit loads vary from 2 to 4 credits, the actual number of courses taken may vary. The requirement is 15 credits with no more than 8 credits at the 2000 level.

**Bachelor of Science in Business Administration**

This program is designed to provide broad preparation for a successful career in business within a rapidly changing economy. Emphasis is placed on developing skills and attitudes that will enable the student to successfully deal with the many challenges of business in the years ahead and to motivate people in the achievement of established business goals. Concentrations are available in Computer Information Systems, Equine Management, Hospitality and Tourism, Management, Marketing, and Sports Management.

The sample curriculum sequence shows how a typical student might progress through the program. Course sequencing may vary as long as prerequisites are met.
## Freshman Year

### Fall Semester

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<thead>
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<tr>
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<tr>
<td>INFO1300</td>
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### Spring Semester

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<tbody>
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**Total:**

17

### Sophomore Year

### Fall Semester

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<td>MKTG2104</td>
<td>Principles of Marketing</td>
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<td>MATH2200</td>
<td>Statistics</td>
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<tbody>
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<td>Legal Aspects of Business</td>
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<td>Principles of Management and Leadership</td>
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<td>Open Elective</td>
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### Spring Semester

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<tbody>
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<tr>
<td>LGLS2205</td>
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<tr>
<td>MGMT2200</td>
<td>Principles of Management and Leadership</td>
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### Total:

15

### Junior Year

### Fall Semester

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<tr>
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<td>Financial Management</td>
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</tr>
<tr>
<td>MGMT3600</td>
<td>Management Decision Making &amp; Problem Solving</td>
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<tr>
<td>MKTG3001</td>
<td>Marketing and Product Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG3300</td>
<td>Customer Engagement</td>
<td>3</td>
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<td>Science Elective w/Lab</td>
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### Spring Semester

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>MGMT3100</td>
<td>Managing in the Global Economy</td>
<td>3</td>
</tr>
<tr>
<td>MGMT3400</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>Business Elective (2000+)</td>
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<tr>
<td>Business Elective (2000+)</td>
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### Total:

15
### Senior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT4900 Career Internship</td>
<td>3</td>
<td>MGMT4100 Business Policy and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MGMT3105 Business Research Methods and Applications</td>
<td>3</td>
<td>Business Elective (3000+)</td>
<td>3</td>
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<tr>
<td>PHIL3001 Ethics</td>
<td>3</td>
<td>Global Awareness and Diversity Elective</td>
<td>3</td>
</tr>
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<td>Business Elective (3000+)</td>
<td>3</td>
<td>Health Elective</td>
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<tr>
<td>Open Elective</td>
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### Bachelor of Science in Business Administration - Big Data Analytics Concentration

The program emphasizes the use of big data analytics to optimize business decisions through insight and informed decision making. An interdisciplinary application of data science tools and techniques from applied math and computer science prepare students to analyze and strategically manage large data sets. This is a technically focused program, with managerial elements, and not a general program about business. The concentration is appropriate for students interested in harnessing the growing sources of big data in ecommerce, social media, and on the web to solve complex business problems from various industries. Big Data Analytics provides a strong foundation in data science with newly developed courses in analytics, predictive modeling, data warehousing, multivariate statistics, and data visualization. The program requires an internship and a capstone to further put learning into practice.

### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>CPTR1400 Computer Programming II</td>
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<tr>
<td>INFO1300 Information Systems in Organizations</td>
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<td>ENGL1003 Writing About Literature</td>
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<tr>
<td>ENGL1001 English Composition I</td>
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<td>CPTR2400 Database Management</td>
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<td>CPTR1100 Computer Programming I</td>
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<td>MATH1200 College Algebra</td>
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<tr>
<td>MGMT1000 Introduction to Business</td>
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<td>MGMT2200 Principles of Management and Leadership</td>
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<tr>
<td>MKTG2104 Principles of Marketing</td>
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## Sophomore Year

<table>
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<tbody>
<tr>
<td>INFO2500 Data Visualization</td>
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<td>ACCT2004 Entrepreneurial Accounting</td>
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<td>DATA2001 Data Science Tools and Techniques</td>
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<td>MATH2200 Statistics</td>
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<td>PSYC1001 Introduction to Psychology</td>
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<td>MKTG3300 Customer Engagement Communications Elective</td>
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<td>INFO3300 Business Analytics</td>
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<td></td>
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<td>INFO1001 Technology and Society</td>
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## Junior Year

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<tbody>
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<td>CPTR3400 Data Warehousing</td>
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<td>MKTG3001 Marketing Management</td>
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<td>MGMT4900 Career Internship</td>
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<td>MGMT3300 Contemporary Economics</td>
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<td>MATH2105 Finite Math</td>
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## Senior Year

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<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
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<tbody>
<tr>
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<td>MGMT4100 Business Policy and Strategy</td>
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<td>INFO4300 Big Data Analysis</td>
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<td>Global Awareness and Diversity Elective</td>
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<td>LGLS2205 Legal Aspects of Business</td>
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<td>History Elective</td>
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<td>INFO4500 Data Science Policy and Strategic Management</td>
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Total Credits: 124
Bachelor of Science in Business Administration - Computer Information Systems Concentration

According to the Bureau of Labor Statistics, the computer information industry will provide the top-eight growth jobs over the next eight years. Students majoring in the bachelor of science in business administration’s computer information systems (CIS) concentration have leading-edge tools and techniques in their grasp (MSDNAA, Rational Suite Enterprise, IBM products, and Oracle), as well as a solid foundation of business skills.

CIS students establish a robust facility that prepares them to pursue either a business career with a strong understanding of how technology facilitates achieving business objectives, or a technology career with a firm grasp of how business objectives drive information systems toward achieving business goals. Within the CIS concentration, students may choose one or more specializations: analytics, project management, and networking and information security.

Information systems (IS) is the use of computers and information to enable people and organizations to be more creative and productive.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
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<td>MATH2200</td>
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<td>INFO1001</td>
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Sophomore Year

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<td>ACCT2004</td>
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<td>INFO1001</td>
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Becker College Course Catalog 2015 - 2016
### Junior Year

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<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
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<tbody>
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<td>MGMT3000 Managing in the Global Economy</td>
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<tr>
<td>MGMT3800 Management Information Systems</td>
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<td>MGMT3400 Human Resource Management</td>
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</tr>
<tr>
<td>MKTG3001 Marketing and Product Management</td>
<td>3</td>
<td>Approved CIS Elective Communications Elective</td>
<td>3</td>
</tr>
<tr>
<td>MKTG3300 Customer Engagement Science Elective w/Lab</td>
<td>3</td>
<td>Approved CIS Elective Science Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td></td>
<td>15</td>
</tr>
<tr>
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### Senior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT4900 Career Internship</td>
<td>3</td>
<td>MGMT4100 Business Policy and Strategy</td>
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<tr>
<td>PHIL3001 Ethics Approved CIS Elective 2000+</td>
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<td>Approved CIS Elective 3000+ Global Awareness and Diversity Elective</td>
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<tr>
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<td>3</td>
<td>Approved CIS Elective 3000+ Health Elective</td>
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</tbody>
</table>

**Total Credits:** 123

Students need to take four courses from a group to earn specialization. Specializations are recorded on the academic transcript. Students may choose to take four electives which are not grouped in a specialization.

**Specialization in Computer Programming and Networking**
- CPTR1100 Computer Programming I
- CPTR1400 Computer Programming II
- CPTR2300 Data Structures
- CPTR3600 Networking I
- CPTR4600 Networking II

**Specialization in Information Security**
- CPTR2800 Information Security and Information Technology Fundamentals
- CPTR2801 Information Security Threat Landscape and Attacker Motivation
- CPTR2802 Defending and Attacking Modern Networked Computer Systems
- CPTR3801 Information Security Incident Handling
- CPTR3802 Business Communication for Information Security Professionals
- CPTR4801 Emerging Technologies and Implications for
Information Security
CPTR4802 Security Management and Policy Topics

Specialization in Project Management
MGMT2805 Project Planning & Control
MGMT3805 Project Team Management
MGMT3806 Influence, Decision Making and Problem Solving in Project Management
MGMT4105 Project Management: Tools & Techniques
MGMT4805 Project Management Capstone

Other approved program electives
INFO2100 Internet
GRPH2160 Introduction to Web Design
GRPH3110 Advanced Web Design

Bachelor of Science in Business Administration - Equine Management Concentration

The purpose of the Equine Management Concentration is to prepare individuals to assume roles in businesses relating to horses. The format allows for a strong business background mixed with equine related courses that can prepare the student to deal with many aspects of the equine industry from owning a stable to managing a reproduction facility. Some courses will require students to work in a Becker associated stable caring for the horses on a daily basis.

Special requirements:
All students (full or part-time) are required to demonstrate proof of medical insurance, a tetanus booster within the past 10 years, and a tuberculosis test within one year to participate in the equine courses of this major. Rabies pre-exposure prophylaxis immunization is strongly recommended. Students are required to either show proof of rabies immunization or sign a declination form. In addition, students must be able to easily lift at least 50 lbs. since work with horses may require movement of large bales of hay and feed, as well as restraint of 1000 lbs. or larger animals. Appropriate attire will be required for any class visiting an equine facility whether for laboratory or demonstration. Graduates of this program should be able to demonstrate an understanding of business and management concepts in addition to an understanding and competency in the care of, handling of, and management of horses of all ages and physical abilities.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.
### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>ENGL1003 Writing about Literature</td>
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<tr>
<td>ACCT1001 Financial Accounting</td>
<td>3</td>
<td>EQST1001* Foundations in Riding I or EQST1002 Foundations in Riding II</td>
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<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>PSYC1001 Introduction to Psychology</td>
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<td>EQST1601 Foundation In Equine Care</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
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<tr>
<td>MATH1200 College Algebra</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
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<tr>
<td>MGMT1000 Introduction to Business</td>
<td>3</td>
<td>17</td>
<td>15</td>
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### Sophomore Year

<table>
<thead>
<tr>
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<th>Credit Hours</th>
<th>Spring Semester</th>
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<tr>
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<td>ECON2002 Macroeconomics</td>
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<td>ECON2001 Microeconomics</td>
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<td>LGLS2205 Legal Aspects of Business</td>
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<tr>
<td>EQST2801 Fundamentals of Farm and Stable Management</td>
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<td>MGMT2200 Principles of Management and Leadership</td>
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<td>MATH2200 Statistics</td>
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<td>ACCT1002 Managerial Accounting</td>
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### Junior Year

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<tbody>
<tr>
<td>MGMT3200 Financial Management</td>
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<td>MGMT3100 Managing in the Global Economy</td>
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<tr>
<td>MGMT3600 Management Decision Making and Problem Solving</td>
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<td>Communications Elective</td>
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<td>Equine Elective (recommend: ENVS1001)</td>
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<td>Equine Elective (recommend: ENVS1002)</td>
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<td>Science Elective w/Lab</td>
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### Senior Year

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<tbody>
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<td>Open Elective</td>
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*Students may test out of EQST1001 with a combination of in-saddle skills demonstration and written examination. These students will be required to take EQST1002*

### Bachelor of Science in Business Administration - Management Concentration

The Management concentration prepares students to assume leadership roles in business. Students will learn how organizations formulate strategy, set goals and objectives, implement plans, and measure results. They will study the key issues involved in managing project and teams, marketing products and services, preparing accounting and financial statements, and evaluating a company's financial health. An internship will give students the opportunity to put the information that they learn in the classroom into practice.

The sample curriculum sequence shows how a typical student might progress through the program. Course sequencing may vary as long as prerequisites are met.

### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
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</tr>
</thead>
<tbody>
<tr>
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<td>MATH1200</td>
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<td>MGMT1000</td>
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<td>Open Elective</td>
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<td>PSYC1001</td>
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### Sophomore Year

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### Junior Year

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<th>Credit Hours</th>
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### Senior Year

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<tbody>
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### Bachelor of Science in Business Administration - Marketing Concentration

The Marketing concentration prepares students for exciting and challenging careers in marketing. The focus of this concentration is to equip students with the skills and knowledge that are necessary for success in today's fast-paced marketing and sales environment. Students will study the key issues
involved in marketing products and services, developing and implementing marketing strategies, retail marketing, consumer behavior, marketing research, and the challenges of international marketing. An internship will give students the opportunity to put the information that they learn in the classroom into practice.

The sample curriculum sequence shows how a typical student might progress through the program. Course sequencing may vary as long as prerequisites are met.

### Freshman Year

<table>
<thead>
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Senior Year

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<td>MKTG4200 Retail Marketing or</td>
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Bachelor of Science in Business Administration - Sports Management Concentration

The Sports Management concentration focuses on the administration and management of sports facilities and organizations. Students will learn the fundamentals of accounting, management, and marketing, and they will apply this knowledge to the world of sports. They will study event and facility management as well as legal and ethical issues in sports. Two internships will give students the opportunity to put the information that they learn in the classroom into practice.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequence may vary as long as prerequisites are met.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
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<td>ENGL1001 English Composition I</td>
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<td>EXSC2203 Personal &amp; Community Health</td>
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<td>INFO1001 Technology and Society</td>
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## Sophomore Year

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<td>Principles of Marketing</td>
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## Junior Year

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<td>MKTG3001</td>
<td>Marketing Management</td>
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<td>MGMT3400</td>
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<tr>
<td>MKTG3300</td>
<td>Customer Engagement</td>
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<td>SPMG4900</td>
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<td>Communications Elective</td>
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<td>Science Elective w/Lab</td>
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## Senior Year

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<th>Fall Semester</th>
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<td>SPMG4200</td>
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<td>SPMG4500</td>
<td>Sport Finance and Economics</td>
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<td>Global Awareness and Diversity Elective</td>
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<td>History Elective</td>
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<td>Total Credits:</td>
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</table>
Bachelor of Science in Community Health and Wellness Education

The US Center for Disease Control reports that 75% of our health care dollars goes to the treatment of chronic diseases (Center for Disease Control 2013). To reduce the cost of treating chronic diseases increased emphasis has been placed on creating and implementing programs to promote health and wellness. These programs will not only have a positive economic impact, they can also substantially improve quality of life and decrease the incidence of death and disability due to preventable chronic disease. Job growth in this industry is projected at 28%, faster than average.

The Bachelor of Science Degree in Community Health and Wellness Education Program provides students foundational knowledge in assessing, promoting and creating healthy life styles. Community health and wellness is considered from all dimensions (physical, psychological, sociocultural, developmental, and spiritual). Course work, internships, and practicum experiences provide students with a broad understanding of this growing discipline of study. This is complimented with required and elective courses in informatics, community health, complimentary/holistic health, and the legal, political, leadership, and business aspects of the health and wellness industry. Through required coursework opportunities for certification (i.e. cardiopulmonary resuscitation and first aid) is provided. Following successful completion of the program the graduate is eligible to take the Certified Health Education Specialist (CHES) Examination.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequence may vary as long as prerequisites are met.

The Bachelor of Science Degree in Community Health and Wellness Education Program requires the completion of 123 credits, 65 prescribed credits in the degree major, 41 general education credits, which include prescribed College electives and degree major open electives, and 17 ancillary credits in courses that directly support the degree major.

The program learning outcomes incorporate the National Commission for Health Education Credentialing, Inc. (NCHEC) Seven Areas of Responsibility for Health Educators (2010). Upon completion of the Bachelor of Science Degree in Community Health and Wellness Education Program students are able to:

1. Interpret the needs, assets and capacity for health education programs in community-based settings.
2. Plan health education for individuals, groups, and communities.
3. Implement community health programs to diverse populations of health care consumers.
4. Evaluate the effectiveness of a health education plan.
5. Apply evidence based practice and research methods to health education activities.
6. Design health education programs that focus on multicultural and diverse populations.
7. Demonstrate competency in implementing planned educational programs.
**Freshman Year**

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<tr>
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**Sophomore Year**

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**Junior Year**

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Becker College Course Catalog 2015 - 2016
**Senior Year**

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<td>IDHE4500 Community Health and Wellness Education Capstone</td>
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<td>IDHE4403 Health Education Practices</td>
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<td>MGMT3400 Human Resource Management</td>
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<td>IDHE4404 Health Promotion and Disease Prevention Open Elective</td>
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**Bachelor of Science in Criminal Justice**

Students who select the baccalaureate program in criminal justice will profit from a curriculum which is balanced among the broad areas of study represented by criminal justice, the social sciences, general education courses, and elective courses.

In general, the program seeks to enhance critical thinking abilities, communication skills and the ability to conceptualize complex problems. Advanced courses help the student to process and apply information reliably while developing skills in research methodology. Understanding the history, philosophy and organization of the agencies of criminal justice, together with an opportunity for practical experience in one or more of them, is a further goal of the program.

Upon graduation, the student may pursue graduate studies or a professional career in law enforcement, corrections, parole, probation, court administration or within the juvenile justice system.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.
### Freshman Year

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<tr>
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### Junior Year

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Becker College Course Catalog 2015 - 2016
Senior Year

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<td>Elective (History)</td>
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<td>Elective (Health Education)</td>
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<td>Elective (Global Awareness and Diversity)</td>
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</table>

Bachelor of Science in Criminal Justice - Domestic Counter Terrorism Studies: Policy, Research and Management Concentration

This Concentration is designed for students interested in managing public security in conjunction with federal resources specific to policy, response and management in domestic counter terrorism situations. Courses focus on an in-depth understanding of motivations and trends, threat assessment, information security, leadership, public policy planning, preparedness and response. The sequence begins with understanding the history of and psychology behind terrorist activity that provides the foundation for the program sequence. Students will assess how law enforcement and the Department of Homeland Security have managed past threats or events involving terrorist activity through analyzing intelligence and assessments. The Senior Capstone focuses on the development of policy addressing how well responses to terrorist threats are handled and if differences or changes in U.S. Counterterrorist policies and practices might lessen the dangers of terrorism.

This sample curriculum sequence illustrates how a student might progress through the curriculum. Course sequence may vary as long as prerequisites are met.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST1100 Criminal Justice System &amp; Process</td>
<td>3</td>
<td>GOVT1109 State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>LGLS2102 Criminal Law</td>
<td>3</td>
<td>JUST1101 Homeland, Private and Public Security</td>
<td>3</td>
</tr>
<tr>
<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>JUST2800 History of Modern Terrorism</td>
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</tr>
<tr>
<td>SOCI1001 Introduction to Sociology</td>
<td>3</td>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td></td>
<td>15</td>
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<tr>
<td></td>
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## Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>JUST2202 Crisis Intervention in Criminal Justice</td>
<td>JUST2802 Terror Group Aims, Motivations and Beliefs</td>
<td>3</td>
</tr>
<tr>
<td>JUST2801 Key Issues in International Terrorism</td>
<td></td>
<td>3</td>
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<tr>
<td>ENGL2003 Public Speaking</td>
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<td>3</td>
</tr>
<tr>
<td>SOCI2001 Criminology</td>
<td>MATH1200 College Algebra</td>
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<tr>
<td>GOVT1108 American Government</td>
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**Total Credits:** 15

## Junior Year

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<tr>
<th>Fall Semester</th>
<th>Credit Spring Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>JUST3200 Criminal Procedure and Evidence</td>
<td>PSYC2400 Forensic Psychology</td>
<td>3</td>
</tr>
<tr>
<td>GOVT4100 American Constitutional Law</td>
<td>MATH2200 Statistics</td>
<td>3</td>
</tr>
<tr>
<td>JUST3100 Threat Assessment and Management</td>
<td>CPTR2800 Information Security and Information Technology Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>JUST2204 Victimology and Victim Services</td>
<td>JUST3900 Criminal Justice Internship or Elective (Criminal Justice)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Science with Lab)</td>
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**Total Credits:** 16

## Senior Year

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<tr>
<th>Fall Semester</th>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>JUST4001 Research in Criminal Justice</td>
<td>LGLS4100 Directed Study in Criminal Justice and Legal Studies</td>
<td>3</td>
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<tr>
<td>PHIL3001 Ethics</td>
<td>JUST4800 Counterterrorism Policy, Research and Management Capstone</td>
<td>3</td>
</tr>
<tr>
<td>PSYC2105 Social Psychology or Abnormal Psychology</td>
<td>SOCI4001 Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PSYC3400 Elective (History)</td>
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</tr>
<tr>
<td>Elective (Global Awareness and Diversity)</td>
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</tbody>
</table>

**Total Credits:** 15

**Total Credits:** 124
Bachelor of Science in Criminal Justice - Forensics/Crime Scene Processing Concentration

This concentration is designed for Criminal Justice students interested in pursuing a more technical, specialized aspect of the field; that of Crime Scene Technician. The focus of this concentration is on the basic and advanced sciences necessary to investigate, gather data/evidence, and begin the processing of a crime scene. Crime Scene Technicians serve and assist the crime lab personnel and provide the foundation and starting point for investigations by following protocols for gathering evidence, taking pictures, recording measurements and securing an area for further investigation.

Graduates will have career opportunities at the entry level, as either sworn or non-sworn personnel, in law enforcement agencies Crime Scene Investigation divisions, Bureau of Criminal Identification-Evidence Recovery Units, or in Crime Laboratories. Positions may also exist in the private sector. Graduates are also prepared to apply for and enter advanced study at the Graduate Program/Master’s Degree level.

It is recommended that Criminal Justice majors who select this concentration have a strong background in sciences.

Students are required to achieve a grade of C or better in the following courses FORE2001 and FORE2002. Students who do not meet this requirement, after two attempts, will be dropped from this concentration.

This sample curriculum sequence illustrates how a student might progress through the curriculum. Course sequence may vary as long as prerequisites are met.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST1100 Criminal Justice System &amp; Process</td>
<td>GOVT1109 State and Local Government</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>ENGL1003 Writing About Literature</td>
</tr>
<tr>
<td>BIOL1001 Biology I</td>
<td>BIOL1002 Biology II</td>
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<tr>
<td>MATH1200 College Algebra</td>
<td>INFO1001 Technology and Society</td>
</tr>
<tr>
<td>SOCI1001 Introduction to Sociology</td>
<td>FORE2001 Introduction to Forensics</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
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</table>
### Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>LGLS2102 Criminal Law</td>
<td>3</td>
<td>ENGL2003 Public Speaking</td>
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<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>FORE3100 Criminal Investigation</td>
<td>3</td>
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<tr>
<td>CHEM1001 Chemistry I</td>
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<td>CHEM1002 Chemistry II</td>
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<tr>
<td>GOVT1108 American Government</td>
<td>3</td>
<td>MATH2200 Statistics</td>
<td>3</td>
</tr>
<tr>
<td>FORE2002 Collection/Preservation of Evidence</td>
<td>4</td>
<td>PSYC2400 Forensic Psychology</td>
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| Total                  | 17          | 16                                       |              |

### Junior Year

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<thead>
<tr>
<th>Fall Semester</th>
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<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>JUST3200 Criminal Procedure and Evidence</td>
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<td>Elective Science</td>
<td>3 / 4</td>
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<tr>
<td>PHYS2001 Physics I</td>
<td>4</td>
<td>JUST3900 Criminal Justice Internship or Elective (GOVT or HIST)</td>
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<tr>
<td>ENGL2102 Advanced Composition</td>
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<td>GRPH2170 Principles of Digital Imaging</td>
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<td>JUST2204 Victimology &amp; Victim Services</td>
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<td>Computer Elective (INFO1003, 2003 or 2100)</td>
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<tr>
<td>SOCI2001 Criminology</td>
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<td>Elective (History)</td>
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<td>15 / 16</td>
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### Senior Year

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<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST4001 Research in Criminal Justice</td>
<td>3</td>
<td>JUST4100 Directed Study in Criminal Justice and Legal Studies</td>
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</tr>
<tr>
<td>PHIL3001 Ethics</td>
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<td>SOCI4001 Data Analysis</td>
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<tr>
<td>GRPH2130 Techniques of Raster Imaging</td>
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<td>Elective (Health Education)</td>
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<td>Elective (Global Awareness and Diversity)</td>
<td>3</td>
<td>AMERICAN CONSTITUTIONAL LAW</td>
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<tr>
<td>PSYC2105 Social Psychology or</td>
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<td>Open Elective</td>
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<tr>
<td>PSYC3400 Abnormal Psychology</td>
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</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

| Total                  | 15           | Total Credits:                           | 129 / 130    |
Bachelor of Science in Criminal Justice - Policing/Law Enforcement Concentration

The Policing/Law Enforcement Concentration is defined by courses that enhance the student’s communication, analytical and critical thinking skills in ways relevant to a policing career. Law enforcement is an ever-changing challenge requiring analysis, problem solving skills, technology skills and community relations. This Concentration will prepare students for the responsibility and emerging challenge of protecting and serving communities through courses that focus on learning fundamental standards, strategic procedures, and leadership principles critical to the profession in the 21st Century. The incidents that professionals in law enforcement are called upon to prevent, investigate and control are more complex than ever before, particularly in the face of public scrutiny and the expectation of higher standards of performance. The inclusion of a criminal justice internship experience can be shaped to meet the needs of students to meet their academic and professional goals.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST1100 Criminal Justice System &amp; Process</td>
<td>3</td>
<td>JUST1101 Homeland, Private &amp; Public Security</td>
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</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
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<td>JUST1105 Juvenile Justice System &amp; Process</td>
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<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
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</tr>
<tr>
<td>SOCI1001 Introduction to Sociology</td>
<td>3</td>
<td>GOVT1109 State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
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<td>PSYC1001 Introduction to Psychology</td>
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<td>LGLS2102 Criminal Law</td>
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<td>Elective (Criminal Justice)</td>
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</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>3</td>
<td>ENF02207 Police and the Community</td>
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<tr>
<td>JUST2203 Corrections, Systems &amp; Process</td>
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<td>JUST2209 Probation and Parole</td>
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<tr>
<td>ENGL2003 Public Speaking</td>
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<td>Elective (Criminal Justice)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI2001 Criminology</td>
<td>3</td>
<td>MATH1200 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>GOVT1108 American Government</td>
<td>3</td>
<td>Elective (Criminal Justice)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
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</tbody>
</table>
### Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST3200</td>
<td>3</td>
<td>JUST3001</td>
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<tr>
<td>Criminal Procedure and Evidence</td>
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<td>Police Administration and Management</td>
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<tr>
<td>FORE3100</td>
<td>3</td>
<td>MATH2200</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Investigation</td>
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<td></td>
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<tr>
<td>JUST3100</td>
<td>3</td>
<td>SOCI3100</td>
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<tr>
<td>Threat Assessment and Management</td>
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<td>Juvenile Delinquency</td>
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<td>JUST2204</td>
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<td>FORE2002</td>
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<tr>
<td>Victimology &amp; Victim Services</td>
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<td>Collection/Preservation of Evidence</td>
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<tr>
<td>FORE2001</td>
<td>4</td>
<td>JUST3901</td>
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<tr>
<td>Introduction to Forensics</td>
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<td>Policing/Law Enforcement Internship or Elective (Criminal Justice)</td>
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### Senior Year

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<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<tr>
<td>Research in Criminal Justice</td>
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<td>Directed Study in Criminal Justice and Legal Studies</td>
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<tr>
<td>PHIL3001</td>
<td>3</td>
<td>GOVT4100</td>
<td>3</td>
</tr>
<tr>
<td>Ethics</td>
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<td>American Constitutional Law</td>
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<tr>
<td>PSYC2105</td>
<td>3</td>
<td>SOCI4001</td>
<td>3</td>
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<tr>
<td>Social Psychology or</td>
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<td>Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PSYC3400</td>
<td>3</td>
<td>ENGL2102</td>
<td>3</td>
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<tr>
<td>Abnormal Psychology</td>
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<td>Advanced Composition</td>
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<tr>
<td>Elective (History)</td>
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<tr>
<td>Elective (Global Awareness and Diversity)</td>
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<tr>
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</tr>
</tbody>
</table>

Total Credits: 124

### Bachelor of Science in Criminal Justice - Pre-Law Concentration

The Pre-Law concentration is designed to make it possible for students from diverse backgrounds to enter the legal profession. Students are generally successful in law school when their undergraduate major focuses on the development of reading, writing, critical thinking, reasoning, analytical skills and human experience. In general, the program is designed to help students evaluate whether a law career is the right career, increasing the student's understanding that pre-law academic studies apply to a wide range of employment arenas beyond the legal profession. Open electives provide flexibility and allow students to explore individual interests.
### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>JUST1100 - Criminal Justice Systems and Processes</td>
<td>3</td>
<td>LGLS2600 - Computer Applications for the Legal Profession</td>
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<tr>
<td>ACAD1001 - First Year Experience</td>
<td>2</td>
<td>ENGL1003 - Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>INFO1001 - Technology and Society</td>
<td>3</td>
<td>GOVT1109 - State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 - English Composition I</td>
<td>3</td>
<td>PSYC1001 - Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>LGLS2102 - Criminal Law</td>
<td>3</td>
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<td></td>
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### Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LGLS2107 - Family Law</td>
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<td>LGLS3001 - Advanced Legal Writing and Analysis</td>
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<tr>
<td>LGLS2300 - Legal Research and Writing</td>
<td>3</td>
<td>LGLS2205 - Legal Aspects of Business or Business Law</td>
<td>3</td>
</tr>
<tr>
<td>ENOL2003 - Public Speaking</td>
<td>3</td>
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<tr>
<td>SOCI2001 - Criminology</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GOVT1108 - American Government</td>
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### Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST3200 - Criminal Procedure and Evidence</td>
<td>3</td>
<td>Elective (Criminal Justice)</td>
<td>3</td>
</tr>
<tr>
<td>GOVT4100 - American Constitutional Law</td>
<td>3</td>
<td>MATH2200 - Statistics</td>
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</tr>
<tr>
<td>LGLS3200 - Topics in Law and Society</td>
<td>3</td>
<td>Elective (Criminal Justice)</td>
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</tr>
<tr>
<td>JUST2204 - Victimology and Victim Services</td>
<td>3</td>
<td>Elective (Science with Lab)</td>
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<td></td>
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<td>JUST3900 - Criminal Justice Internship or Elective (Criminal Justice)</td>
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<tr>
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</table>
Senior Year

<table>
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<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>JUST4001 Research in Criminal Justice</td>
<td>3</td>
<td>JUST4100 Directed Study in Criminal Justice and Legal Studies</td>
<td>3</td>
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<tr>
<td>PHIL3001 Ethics</td>
<td>3</td>
<td>LGLS3292 Conflict Resolution</td>
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</tr>
<tr>
<td>PSYC2105 Social Psychology</td>
<td>3</td>
<td>SOCI4001 Data Analysis</td>
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<tr>
<td>or PSYC3400 Abnormal Psychology</td>
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<td>Elective (Health Education)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL2102 Advanced English Composition</td>
<td>3</td>
<td>Elective (History)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Global Awareness &amp; Diversity)</td>
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</tbody>
</table>

Total Credits: 124

Bachelor of Science in Data Science

Data science is a rapidly growing field that studies actionable patterns and generalizable insights derived from increasingly large unstructured sources of data sources including text, images, and video. The data scientist or analyst understands machine learning, including how computers organize structured and unstructured data, statistical analysis techniques, and posing research question that will eventually lead to greater insight into a problem (Dhar, 2013). Machine learning continues to expand the capacity of data science to unlock interesting patterns in the growing digital universe. Big data analysis is “the next frontier for innovation, competition, and productivity” in the global economy (McKinsey Report, 2011). Analysts who use big data are employed by many kinds of institutions and in many different industries: government, businesses, financial institutions, healthcare, scientific research facilities, colleges and universities, and others. The collection and use of big data continues to expand in all of these areas. As businesses seek to maximize the value of vast stores of available data, employees will be needed to fill the growing demand for individuals who can learn from that data and predict and forecast consumer behavior.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>CPTR2400 Database Management</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>INFO1300 Information Systems in Organizations</td>
<td>3</td>
<td>DATA2001 Data Science Tools and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>MATH3200 Multivariate Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CPRT1100 Programming I</td>
<td>3</td>
<td>MATH2001 Functions and Pre-calculus or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>MATH2202 Calculus</td>
<td>15</td>
</tr>
</tbody>
</table>

Becker College Course Catalog 2015 - 2016
## Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPTR1400 Programming II</td>
<td>3</td>
<td>CPTR2300 Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>INFO2500 Data Visualization</td>
<td>3</td>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MATH2400 Discrete Math</td>
<td>3</td>
<td>MATH2302 Calculus II or</td>
<td>3</td>
</tr>
<tr>
<td>MATH2202 Calculus I or</td>
<td>3</td>
<td>Open Elective</td>
<td></td>
</tr>
<tr>
<td>MATH2302 Calculus II</td>
<td>3</td>
<td>Communications Elective</td>
<td>3</td>
</tr>
<tr>
<td>Science Elective w/Lab</td>
<td>4</td>
<td>Science Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Health Elective</td>
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<tr>
<td><strong>Total Credits:</strong></td>
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<td><strong>Total Credits:</strong></td>
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## Junior Year

<table>
<thead>
<tr>
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<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPTR3400 Data Warehousing or Approved Elective</td>
<td>3</td>
<td>INFO3901 Data Science Practicum</td>
<td>3</td>
</tr>
<tr>
<td>MATH3305 Linear Algebra</td>
<td>3</td>
<td>INFO4200 Predictive Analytics</td>
<td>3</td>
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<tr>
<td>CPTR4100 Machine Learning</td>
<td>3</td>
<td>PHIL3001 Ethics</td>
<td>3</td>
</tr>
<tr>
<td>Specialization Requirement</td>
<td>3</td>
<td>Specialization Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Social Science/Humanities Elective</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td>15</td>
<td><strong>Total Credits:</strong></td>
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## Senior Year

<table>
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<tr>
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<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>GAME4115 Artificial Intelligence or Computer Science Elective</td>
<td>3</td>
<td>INFO4500 Data Science Policy and Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>INFO4300 Big Data Analysis</td>
<td>4</td>
<td>History Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td>Global Awareness and Diversity Elective</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>Specialization Requirement</td>
<td>3</td>
<td>Specialization Requirement</td>
<td>3</td>
</tr>
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<td><strong>Total Credits:</strong></td>
<td>16</td>
<td><strong>Total Credits:</strong></td>
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</table>

**Total Credits:** 124
Students graduating with a B.S. in Data Science must complete a specialization. Specializations are generally 12 credits but may require prerequisite coursework in order to enroll in courses within the specialization.

**Bioinformatics Specialization**

(12 credits)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL3200</td>
<td>Biostatistics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>BIOL3500</td>
<td>Genetics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>BIOL4000</td>
<td>4000 Level Elective</td>
<td>3 cr.</td>
</tr>
<tr>
<td>CHEM3003</td>
<td>Biochemistry</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

*Note: Bioinformatics also requires the following prerequisites*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL1001</td>
<td>Biology I</td>
<td>4 cr.</td>
</tr>
<tr>
<td>BIOL1002</td>
<td>Biology II</td>
<td>4 cr.</td>
</tr>
<tr>
<td>CHEM1001</td>
<td>Chemistry I</td>
<td>4 cr.</td>
</tr>
<tr>
<td>CHEM1002</td>
<td>Chemistry II</td>
<td>4 cr.</td>
</tr>
</tbody>
</table>

**Business Analytics Specialization**

(12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO3300</td>
<td>Business Analytics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT2200</td>
<td>Principles of Management and Leadership</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

And at least six credits from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT2805</td>
<td>Project Planning &amp; Control</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3100</td>
<td>International Business</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3105</td>
<td>Business Research Methods and Applications</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3205</td>
<td>Organizational Behavior</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3290</td>
<td>Human Behavior in Organizations</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3300</td>
<td>Contemporary Economics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3400</td>
<td>Human Resource Management</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3600</td>
<td>Management Decisions Making and Problem Solving</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3800</td>
<td>Management Information Systems</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3805</td>
<td>Project Team Management</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3806</td>
<td>Influence, Decision Making and Problem Solving</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3960</td>
<td>Budget and Performance Measurement</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT4190</td>
<td>Statistical Techniques for Managers</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT4195</td>
<td>Leadership, Communication and Change</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT4201</td>
<td>Compensation and Benefits</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT4300</td>
<td>Managing in the Global Economy</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT4400</td>
<td>Current Issues in Strategic Planning</td>
<td>3 cr.</td>
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</tbody>
</table>

**Crime and Policing Analytics Specialization**

(12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI2001</td>
<td>Criminology</td>
<td>3 cr.</td>
</tr>
<tr>
<td>SOCI4001</td>
<td>Data Analysis</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

And at least six credits from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST2202</td>
<td>Crisis Intervention in Criminal Justice</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST2203</td>
<td>Corrections, Systems &amp; Process</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST2204</td>
<td>Victimology &amp; Victim Services</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST2207</td>
<td>Police and the Community</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST2209</td>
<td>Probation and Parole</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>
JUST3001 Police Administration and Management 3 cr.
JUST3100 Threat Assessment and Management 3 cr.
JUST3200 Criminal Procedure and Evidence 3 cr.
JUST4001 Research in Criminal Justice 3 cr.
JUST4100 Directed Study in Criminal Justice and Legal Studies 3 cr.
PSYC2400 Forensic Psychology 3 cr.
PSYC2405 Correctional Psychology 3 cr.

**Cyberterrorism Analytics Specialization**
(12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPTR2800</td>
<td>Information Security and Information Technology Fundamentals</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST3100</td>
<td>Threat Assessment and Management</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

*And at least six credits from the following list:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPTR2801</td>
<td>Information Security Threat Landscape and Attacker Motivation</td>
<td>3 cr.</td>
</tr>
<tr>
<td>CPTR2802</td>
<td>Defending and Attacking Modern Networked Computer Systems</td>
<td>3 cr.</td>
</tr>
<tr>
<td>CPTR3801</td>
<td>Information Security Incident Handling</td>
<td>3 cr.</td>
</tr>
<tr>
<td>CPTR4801</td>
<td>Emerging Technologies and Implications for Information Security</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST2800</td>
<td>History of Modern Terrorism</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST2802</td>
<td>Terror Group Aims, Motivations and Beliefs</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST3802</td>
<td>Future and Emerging Trends in Terrorism</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST3803</td>
<td>Cyberterrorism</td>
<td>3 cr.</td>
</tr>
<tr>
<td>JUST4100</td>
<td>Directed Study in Criminal Justice and Legal Studies</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

**Financial and Risk Analytics Specialization**
(12 credits)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>INFO3300</td>
<td>Business Analytics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT2200</td>
<td>Principles of Management and Leadership</td>
<td>3 cr.</td>
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</table>

*And at least six credits from the following list:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ACCT2004</td>
<td>Entrepreneurial Accounting</td>
<td>3 cr.</td>
</tr>
<tr>
<td>ECON2001</td>
<td>Microeconomics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>ECON2002</td>
<td>Macroeconomics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MATH3700</td>
<td>Quantitative Methods for Management</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3200</td>
<td>Financial Management</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3300</td>
<td>Contemporary Economics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3490</td>
<td>Accounting for Managers</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3500</td>
<td>Finance for Managers</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MGMT3960</td>
<td>Budget &amp; Performance Measurement</td>
<td>3 cr.</td>
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</table>

**Health Analytics Specialization**
(12 credits)

*At least three credits from the following list:*

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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NURS3100</td>
<td>Research in Nursing</td>
<td>3 cr.</td>
</tr>
<tr>
<td>PSYC4005</td>
<td>Research Methods in Behavioral Science w/Lab</td>
<td>4 cr.</td>
</tr>
<tr>
<td>SOCI4001</td>
<td>Data Analysis</td>
<td>3 cr.</td>
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*And at least nine credits from the following list:*

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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>BIOL3200</td>
<td>Biostatistics</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>
EXSC2203  Personal and Community Health  3 cr.
EXSC3201  Consumer Health  3 cr.
EXSC3205  Drugs and Society  3 cr.
IDHE1206  Medical Terminology  3 cr.
NURS3102  Business in Nursing  3 cr.
NURS3200  Technology and Nursing Informatics  3 cr.
NURS3600  Community Health Nursing  4 cr.
NURS4001  Nursing in a Global Society  3 cr.
PSYC2107  Experimental Psychology  3 cr.
PSYC4007  Advanced Research Methods in Psychology  1 cr.

Marketing and Consumer Analytics Specialization
(12 credits)
INFO3300  Business Analytics  3 cr.
MKTG2104  Principles of Marketing  3 cr.

And at least six credits from the following list:
MKTG2101  Advertising  3 cr.
MKTG2104  Principles of Marketing  3 cr.
MKTG3001  Marketing Management  3 cr.
MKTG3005  Consumer Behavior  3 cr.
MKTG3105  Global Marketing  3 cr.
MKTG3300  Customer Engagement  3 cr.
MKTG4001  Marketing Research  3 cr.
MKTG4105  International Marketing  3 cr.
MKTG4200  Retail Marketing  3 cr.
MKTG4300  Marketing Seminar  3 cr.
MKTG4400  Advanced Topics in Marketing  3 cr.

Bachelor of Science in Exercise Science – Health and Fitness Concentration

Exercise Science - the science of human movement. It is concerned with how and why the human body responds to physical activity. Exercise science is a very diverse field of study that encompasses many areas of inquiry. The Health and Fitness concentration curriculum facilitates the opportunity for employment as fitness/wellness director, exercise physiologist, coach, health specialist, clinical or research assistant or management position. To increase the success of students in the job market, the program prepares students for taking a variety of certifications, such as Advanced Personal Trainer, Health and Fitness Instructor, Weight Management Consultant, or Strength and Conditioning Specialist. Additionally, the Health and Fitness concentration program provides senior students with practicum opportunities in a setting of individual interest. These practicum sites include but are not limited to health and wellness facilities, corporate and commercial fitness clubs, college athletic teams, or hospital cardiac rehabilitation.

Another career option for Exercise Science students is to attend professional graduate schools in allied health fields. The students who intend to pursue graduate schools need to work with their advisors or program director closely for the selection of the elective courses to ensure that they will meet the admission requirements of graduate programs.
This sample curriculum sequence illustrates how a student might progress through the program. Course sequence may vary as long as prerequisites are met.

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH1200 College Algebra</td>
<td>3</td>
<td>EXSC1205 Health and Fitness Skills</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>SOCI1001 Introduction to Sociology</td>
<td>3</td>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPMG2302 Introduction to Sports Management</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
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<td>EXSC1500 Stress Management</td>
<td>3</td>
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</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL2503 Anatomy &amp; Physiology I</td>
<td>4</td>
<td>BIOL2504 Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>EXSC2203 Personal &amp; Community Health</td>
<td>3</td>
<td>EXSC2202 Emergency Responder</td>
<td>3</td>
</tr>
<tr>
<td>EXSC2205 Structural Kinesiology</td>
<td>3</td>
<td>EXSC2105 Teaching Sports Skills</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1500 Effective Communications or</td>
<td>3</td>
<td>EXSC2705 Advanced Personal Trainer (APT) Certification</td>
<td>4</td>
</tr>
<tr>
<td>ENGL2003 Public Speaking</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>EXSC2204 Fitness for Life</td>
<td>3</td>
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</tr>
<tr>
<td></td>
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<td>17</td>
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</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC3105 Nutrition</td>
<td>3</td>
<td>EXSC3300 Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC3700 Sports Psychology</td>
<td>3</td>
<td>Health Education Elective or Elective (BIOL, CHEM, PHYS)</td>
<td>3</td>
</tr>
<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>EXSC3201 Consumer Health</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Global Awareness and Diversity)</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective (History)</td>
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<td>Elective (Business)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
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<td>16</td>
</tr>
</tbody>
</table>
Senior Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC4800</td>
<td>Assessment &amp; Prescription in Health &amp; Fitness</td>
<td></td>
<td>4</td>
<td>EXSC4205</td>
<td>3</td>
</tr>
<tr>
<td>EXSC4105</td>
<td>Principles of Strength and Conditioning</td>
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<td>3</td>
<td>EXSC4908</td>
<td>6</td>
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<tr>
<td>SPMG3100</td>
<td>Sports Facility Management</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective (Humanities or Social Science)</td>
<td></td>
<td></td>
<td>3</td>
<td>Elective (BIOL, CHEM, PHYS)</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td></td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>16</td>
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<td>15</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits:</strong></td>
<td></td>
<td><strong>16</strong></td>
<td><strong>Total Credits:</strong></td>
<td><strong>124</strong></td>
</tr>
</tbody>
</table>

Health electives for this concentration are:

- EXSC3205 Drugs and Society
- EXSC3500 Human Sexuality
- IDHE1103 Essentials of Health Assessment and Promotion
- IDHE3002 Complementary/Alternative Modalities

Bachelor of Science in Exercise Science - Community Health and Wellness Concentration

The Bachelor of Science in Exercise Science - Community Health and Wellness Concentration provides a foundation in the knowledge and skills necessary to design, implement, and evaluate programs in worksite, medical service and community settings. The curriculum combines core concepts from the disciplines of exercise science, community and public health, physical and social science, and management to promote the acquisition of skills and competencies need to assist individuals and groups to make informed decisions concerning individual, family, and community health. Graduates of the major may be eligible to take the National Commission for Health Education, Inc. Certified Health Education Specialist (CHES) Examination following graduation.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequence may vary as long as prerequisites are met.
### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>SOCI1001 Introduction to Sociology</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>PSYC2203 Understanding Diversity</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>EXSC1500 Stress Management</td>
<td>3</td>
<td>MATH1200 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>ENGL2003 Public Speaking OR</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>ENGL1500 Effective Communications</td>
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### Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
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<th>Spring Semester</th>
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<tbody>
<tr>
<td>BIOL2503 Anatomy &amp; Physiology I</td>
<td>4</td>
<td>BIOL2504 Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>IDHE1103 Essentials of Health Assessment and Promotion</td>
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</tr>
<tr>
<td>EXSC2203 Personal and Community Health</td>
<td>3</td>
<td>EXSC2202 Emergency Responder</td>
<td>3</td>
</tr>
<tr>
<td>EXSC2204 Fitness for Life</td>
<td>3</td>
<td>MGMT2200 Principles of Management and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
<td>3</td>
<td></td>
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### Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EXSC3105 Nutrition</td>
<td>3</td>
<td>EXSC3300 Exercise Physiology</td>
<td>4</td>
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<tr>
<td>IDHE4403 Health Education Practices</td>
<td>3</td>
<td>IDHE3102 Business in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>PSYC3100 Cognitive Psychology</td>
<td>3</td>
<td>IDHE3002 Complementary Alternative Modalities</td>
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<tr>
<td>Global Awareness and Diversity Elective</td>
<td>3</td>
<td>COMM2400 Media for Instruction and Training</td>
<td>3</td>
</tr>
<tr>
<td>History Elective</td>
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Becker College Course Catalog 2015 - 2016
**Senior Year**

### Fall Semester

<table>
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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EXSC4800</td>
<td>Assessment &amp; Prescription in Health &amp; Fitness</td>
<td>4</td>
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<tr>
<td>Open Elective</td>
<td></td>
<td>3</td>
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<tr>
<td>IDHE4404</td>
<td>Health Promotion and Disease Prevention</td>
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<tr>
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<tr>
<td>Humanities or Social Science Elective</td>
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### Spring Semester

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<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>EXSC4205</td>
<td>Lifespan Motor Development and Learning</td>
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<tr>
<td>IDHE4500</td>
<td>Community Health and Wellness Education Capstone</td>
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</tr>
<tr>
<td>IDHE4900</td>
<td>Internship/Independent Practicum/Practicum and Project in Community Health and Wellness (3 credits at 1:3 ratio = 135 hours)</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
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<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
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<tr>
<td>Open Elective</td>
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</table>

15

**Total Credits:** 123

---

**Bachelor of Science in Exercise Science – Pre-Physical Therapy/Health Science Concentration**

The Bachelor of Science in Exercise Science Pre-PT/Health Science Concentration is designed to meet the prerequisite requirements of students pursuing acceptance into Doctor of Physical Therapy (DPT) programs and also meet the requirements for a range of career paths. The Physical Therapy pathway allows students to build a foundation and learn skills in the field of rehabilitation medicine and decide which career—in physical or occupational therapy, or athletic training—is most appropriate for them.

The Pre-PT/Health Science students’ education begins with a broad understanding in health sciences—biology, anatomy & physiology, and kinesiology, personal & community health—and leads to skill-building and hands-on experience that includes first responder education, assessment and prescription, and lifespan motor development and learning. Students will complete Advanced Personal Trainer (APT) certification in the second year and an internship in health and fitness in their final year.
# Freshman Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fall Semester Credit Hours</th>
<th>Spring Semester Credit Hours</th>
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<tbody>
<tr>
<td>MATH1200</td>
<td>College Algebra</td>
<td>3</td>
<td>EXSC1205 Health and Fitness Skills 3</td>
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<tr>
<td>ENGL1001</td>
<td>English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing About Literature 3</td>
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<tr>
<td>SOCI1001</td>
<td>Introduction of Sociology</td>
<td>3</td>
<td>PSYC1001 Introduction to Psychology 3</td>
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<td>BIOL1001</td>
<td>Biology I</td>
<td>4</td>
<td>INFO1001 Technology and Society 3</td>
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<td>ACAD1001</td>
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<td>BIOL1002 Biology II 4</td>
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<tr>
<td>BIOL1002</td>
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Total: 16

# Sophomore Year

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<th>Course Code</th>
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<tbody>
<tr>
<td>BIOL2503</td>
<td>Anatomy &amp; Physiology I</td>
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<td>BIOL2504 Anatomy &amp; Physiology II 4</td>
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<td>EXSC2203</td>
<td>Personal and Community Health</td>
<td>3</td>
<td>EXSC2202 Emergency Responder 3</td>
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<tr>
<td>EXSC2205</td>
<td>Structural Kinesiology</td>
<td>3</td>
<td>EXSC2705 Advanced Personal Trainer (APT) Certification 4</td>
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<td>MATH2001</td>
<td>Functions and Precalculus</td>
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<td>MATH2200 Open Elective 3</td>
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<td>EXSC2204</td>
<td>Fitness for Life</td>
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Total: 16

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<thead>
<tr>
<th>Course Code</th>
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<th>Spring Semester Credit Hours</th>
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<tbody>
<tr>
<td>CHEM1001</td>
<td>Chemistry I Elective (History)</td>
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<td>ENGL2003 Public Speaking 4</td>
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<tr>
<td>CHEM1002</td>
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<td>CHEM1002 Chemistry II 4</td>
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<tr>
<td>PSYC3400</td>
<td>Abnormal Psychology</td>
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<td>EXSC3201 Consumer Health 3</td>
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Total: 16

# Junior Year

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<tbody>
<tr>
<td>EXSC3105</td>
<td>Nutrition Elective (Global Awareness and Diversity)</td>
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<td>ENGL1500 Effective Communications OR 3</td>
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<tr>
<td>CHEM1001</td>
<td>Chemistry I Elective (History)</td>
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<td>ENGL2003 Public Speaking 4</td>
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<td>CHEM1002 Chemistry II 4</td>
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<tr>
<td>PSYC3400</td>
<td>Abnormal Psychology</td>
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<td>EXSC3201 Consumer Health 3</td>
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Total: 16

160
Senior Year

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<th>Fall Semester</th>
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<tr>
<td>EXSC4800 Assessment &amp; Prescription in Health &amp; Fitness</td>
<td>4</td>
<td>EXSC4205 Lifespan Motor Development and Learning</td>
<td>3</td>
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<tr>
<td>EXSC4105 Principles of Strength and Conditioning Elective (Humanities or Social Science)</td>
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<td>IDHE4908 Internship in Health and Fitness</td>
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<td>PHYS2001 Physics I</td>
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<td>PHYS2002 Physics II</td>
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<tr>
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## Associate of Science in Nursing

Accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN), the Associate Degree Nursing program prepares the student for the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Students acquire nursing skills for the beginning level of practice and graduate with the competencies to assume the role of a registered nurse in the direct care of patients with health needs and problems across the continuum of care throughout the life span.

Approved by the Massachusetts Board of Registration in Nursing, the nursing and liberal arts curriculum provides a sound, progressive, quality education. Learning takes place within a structured, but flexible setting under the guidance of the nursing faculty and includes experience in a variety of clinical affiliations. Above all, the student is prepared to enter the nursing profession as a competent caring individual and contributing community citizen.

### Career Opportunities

Graduates are qualified to practice nursing in a variety of contemporary health-care settings including acute, sub-acute, long-term, rehabilitation, and community settings.

Please refer to the specific admission requirements for all Nursing programs in the Admission section of the academic catalog, under the Nursing Applicants section. LPN admission requirements can be found in Transfer Admission from other Nursing Programs.

Becker College is accredited by the New England Association of Colleges and Secondary Schools.

The Associate Degree of Science in Nursing (ASN) program is approved by the Massachusetts Board of Registration in Nursing (BORN) and is accredited by the Accreditation Commission for Education in Nursing (ACEN).
Contact Information:

- Massachusetts Board of Registration in Nursing (BORN)
  239 Causeway Street, 2nd Floor, Suite 200
  Boston, MA  02114
  1-800-414-0168
  www.mass.gov/dph/boards/rn

- Accreditation Commission for Education in Nursing, Inc. (ACEN)
  3343 Peachtree Road, NE, Suite 850
  Atlanta, GA  30326
  404-975-5000
  http://www.acenursing.org/

Freshman Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Credit</th>
<th>Semester II</th>
<th>Credit</th>
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<tbody>
<tr>
<td><strong>BIOL2503</strong></td>
<td>Anatomy &amp; Physiology I</td>
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<td><strong>BIOL2502</strong></td>
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<tr>
<td><strong>ACAD1001</strong></td>
<td>First Year Experience</td>
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<td><strong>BIOL2504</strong></td>
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<tr>
<td><strong>NURS1103</strong></td>
<td>Essentials of Health Assessment and Promotion (Theory/Class 2.5 credits) (Lab/Clinical Practice 0.5 credits)</td>
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<td><strong>NURS1105</strong></td>
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<tr>
<td><strong>NURS1104</strong></td>
<td>Fundamentals of Nursing (Theory/Class 2.5 credits) (Lab/Clinical Practice 1.5 credits)</td>
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<tr>
<td><strong>ENGL1001</strong></td>
<td>English Composition I</td>
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Sophomore Year

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<tr>
<td><strong>INFO1001</strong></td>
<td>Technology and Society</td>
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<td><strong>ENGL1003</strong></td>
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<tr>
<td><strong>NURS2201</strong></td>
<td>Nursing III (Theory/Class 5 credits) (Lab/Clinical Practice 5 credits)</td>
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<td><strong>NURS2202</strong></td>
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<tr>
<td><strong>PSYC1001</strong></td>
<td>Introduction to Psychology</td>
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<td><strong>NURS2205</strong></td>
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<td><strong>PSYC1107</strong></td>
<td>Human Growth and Development</td>
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<td><strong>SOCI1001</strong></td>
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<tr>
<td>Total Credits:</td>
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</table>
Nursing course credit hours/clock hours are equated as follows:

**Theory/classroom:** 1:1 (one credit hour = one classroom hour)

**College Lab/Clinical practice:** 1:3 (one credit hour = three clinical/lab hours)

Students must pass the theory, college lab, and clinical practice components of each nursing course in order to pass the course. All co-requisite courses must be taken as scheduled in the Becker College ASN program curriculum plan. Progression in nursing courses is denied when prerequisites and/or co-requisites have not been completed.

Students enrolled in NURS1104, NURS1105, NURS2201 and NURS2202 are required to pass a math/dosage calculation competency test before being allowed to administer medications in the clinical setting. Students will be withdrawn if they are unable to pass after three attempts.

A standardized test, e.g., ATI (Assessment Technologies Institute) Comprehensive Assessment and Review Program is utilized within the nursing program to assist in student learning. For details, refer to the Nursing Student Handbook.

Nursing Program policy requires a minimum grade of C in science courses (Anatomy and Physiology 1 and 2, Microbiology), only one allowed retake of each science course is allowed. A minimum grade of C+ (77) must be achieved in all nursing courses.

Students who do not achieve the minimum passing grade within the respective course will be required to apply for reinstatement, which may involve meeting additional requirements, a successful score on a readmission exam. Readmission will be granted on a space available basis. Students are allowed to repeat only ONE nursing course. Students must complete a remediation program and successfully pass a readmission exam before reinstatement into the Nursing Program is granted. Withdrawal from a nursing course at any time is considered a separation from the nursing program. If the course grade at the time of withdrawal is below the passing standard, the grade recorded will be a WF and it counts as a separation or a repeat of a nursing course. Only one reentry into the nursing program after course failure or separation is allowed.

Nursing students are required to complete a nursing program scheduled on-site NCLEX-RN review course prior to taking the licensing exam.

Students are required to maintain his/her own copy of the Student Health Record and other requirements for their portfolio. Clinical sites require proof of student health and immunization status. This information is provided to affiliation offices before clinical clearance is granted. If this information is not disclosed, to the clinical site the student would be dismissed from the nursing program.

If at any time the nursing faculty determines that a student’s physical or mental ability may interfere with safe clinical performance, the student will not be allowed to remain in the clinical area. The Nursing Program Director will be notified and the future status of the student will be administratively determined.
Bachelor of Science in Nursing (Prelicensure)

Becker College Bachelor of Science in Nursing is a prelicensure 4-year nursing program. Our comprehensive program prepares you to assume the role of a Registered Nurse in direct care of patients in acute-care, long-term care, and community or ambulatory care settings, as well as for entry into the graduate level nursing programs.

Successful completion of this program provides the student eligibility to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) exam.

Undergraduate admissions
For information about admissions requirements, including credit transfers, please call 877-523-2537, email admissions@becker.edu, or visit www.becker.edu

The Prelicensure Bachelor of Science (BSN) program is approved by the Massachusetts Board of Registration in Nursing (BORN).

Massachusetts Board of Registration in Nursing (BORN)
239 Causeway Street
2nd Floor, Suite 200
Boston, MA 02114
1-800-414-0168
www.mass.gov/dph/boards/rn

The associate of science in nursing program is accredited by Accreditation Commission for Education in Nursing, Inc. (ACEN).

- Accreditation Commission for Education in Nursing, Inc. (ACEN)
  3343 Peachtree Road, NE, Suite 850
  Atlanta, GA 30326
  404-975-5000
  http://www.acenursing.org/

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>ENGL1003 Writing About Literature</td>
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<tr>
<td>CHEM1001 Chemistry</td>
<td>4</td>
<td>Elective (History)</td>
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</tr>
<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>INFO1001 Technology &amp; Society</td>
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<tr>
<td>MATH1200 College Algebra</td>
<td>3</td>
<td>BIOL2503 Anatomy &amp; Physiology I</td>
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<tr>
<td>ENGL1001 English Composition I</td>
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<td>Elective (Humanities)</td>
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<tr>
<td>SOCI1001 Introduction to Sociology</td>
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### Sophomore Year

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<th>Spring Semester</th>
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<tr>
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<td>NURS3002 Complementary /Alternative Modalities</td>
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<td>MATH2200 Statistics</td>
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<td>HUMN3100 Intercultural Communication</td>
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<td>BIOL2504 Anatomy &amp; Physiology II</td>
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<td>BIOL2502 Microbiology</td>
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<td>ENGL2003 Public Speaking</td>
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<td>NURS1200 Intro to the Profession of Nursing</td>
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<td>PHIL3300 Medical Ethics</td>
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<td>EXSC3105 Nutrition</td>
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### Junior Year

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<tbody>
<tr>
<td>NURS2103 Health Assessment &amp; Promotion Across the Lifespan</td>
<td>3</td>
<td>NURS3300 Medical Surgical Nursing I 7 wks.</td>
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<tr>
<td>- Theory/Class 2.5 credits</td>
<td>- Theory/Class 4 credits</td>
<td>- Lab/Clinical Practice 2 credits: 90 total hours</td>
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<tr>
<td>NURS3000 Introduction to Pharmacokinetics in Nursing</td>
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<td>NURS3400 Maternal Child Nursing – 7 wks</td>
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<tr>
<td>- Lab Practice 0.5 credits: 22.5 total hours</td>
<td>- Theory/Class 4 credits</td>
<td>- Lab/Clinical Practice 2 credits: 90 total hours</td>
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<tr>
<td>NURS2400 Principles of Nursing Care</td>
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<td>NURS3100 Research in Nursing</td>
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<tr>
<td>- Theory/Class 3 credits</td>
<td>- Theory/Class 4 credits</td>
<td>- Lab/ Clinical Practice 3 credits: 135 total hours</td>
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<tr>
<td>NURS3200 Technology and Nursing Informatics</td>
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### Senior Year

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<tr>
<td>Medical Surgical Nursing II</td>
<td></td>
<td>Care of Patients with Complex Physiological and Psychological Health Issues</td>
<td></td>
</tr>
<tr>
<td>- Theory/Class 4 credits</td>
<td></td>
<td>- Theory/Class 3 credits</td>
<td></td>
</tr>
<tr>
<td>- Lab/Clinical Practice 2 credits: 90 total hours</td>
<td></td>
<td>- Lab/Clinical Practice 3 credits: 135 total hours</td>
<td></td>
</tr>
<tr>
<td>NURS3600</td>
<td>4</td>
<td>NURS4205</td>
<td>2</td>
</tr>
<tr>
<td>Community Health Nursing</td>
<td></td>
<td>Transition to Nursing Practice</td>
<td></td>
</tr>
<tr>
<td>- Theory/Class 3 credits</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>- Clinical 1 credit: 45 total hours</td>
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<td></td>
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</tr>
<tr>
<td>OPEN</td>
<td>3</td>
<td>NURS4901</td>
<td>1</td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>Transition to Nursing Practice Practicum</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>(15 clinical hours)</td>
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</tr>
<tr>
<td>NURS4403</td>
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<td>OPEN</td>
<td>12</td>
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<tr>
<td>Professional Nurse as Educator</td>
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<td>Open Elective</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Total Credits:</td>
<td>124</td>
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</tbody>
</table>

### Nursing course credit hours/clock hours are equated as follows:

- **Theory/classroom**: 1:1 (one credit hour = one classroom hour)
- **College Lab/Clinical practice**: 1:3 (one credit hour = three hours in the college lab or clinical practice setting).

Students must pass the theory, college lab, and clinical practice components of each nursing course in order to pass the course. All co-requisite courses must be taken as scheduled in the Becker College prelicensure BSN program curriculum plan. Progression in nursing courses is denied when prerequisites and/or co-requisites have not been completed.

### Effective for Incoming Fall 2015 Prelicensure BSN Nursing Students

- All nursing applicants (freshmen, transfer or current students looking to change their major to nursing) must successfully complete either the ACT/SAT exam or the TEAS exam. Students who have an ACT Composite score below 19 or a SAT score below 900 on the SAT Critical and Math sections must take and score proficient or higher on the TEAS exam as part of their application.

- Pre-licensure BSN students are admitted to the fall semester. Students admitted in the spring or transferred into the nursing program may need to take additional courses or semesters to comply with the published curriculum plan.

- Due to the competitive application process only the most academically qualified students will be selected. Students who would like to prepare for the TEAS exam should utilize the TEAS resources cited below.

- Students taking the TEAS exam must achieve an overall score of Proficient or higher on the ATI Version V – Test of Essential Academic Skills (TEAS® V). Only two attempts to achieve
the minimum benchmark score will be allowed. If needed, the TEAS requirement applies to all applicants to the nursing program (including internal and external transfers). It is strongly suggested that an applicant wait 45 days between TEAS exams.

The TEAS test is administered at Becker (fee required). Contact the Admission’s Office for more testing information. Information about the test content and resources to prepare for the exam can be found at https://www.atitesting.com/Solutions/PreNursingSchool/TEAS.aspx. A study guide is available in the College bookstores: VERSION V - ATI TEST OF ESSENTIAL ACADEMIC SKILLS (TEAS V) STUDY MANUAL.

Prelicensure BSN Admission into Year Three, First Semester Nursing Admission/Course Work Requirements:

- Successful criteria to progress to the third year (first semester of year 3/Fall semester) includes:
  - An earned College cumulative GPA of 2.0 or better.
  - Successful completion of prelicensure BSN curriculum plan science courses, with a final of C (2.0) or better for each science course, with only one allowed retake of each science course.
  - MATH2200 Statistics must be successfully completed with a grade of C or higher prior to the scheduled NURS3100 Research in Nursing course.
  - Achievement of a final course grade of C+ or higher in NURS1200 (Introduction to Professional Nursing) and NURS3002 (Complementary/Alternative Modalities).
  - Successful completion of all courses (66 credits in the first 2 years of the published prelicensure BSN nursing program curriculum).

Prelicensure BSN Program Academic Requirements

- A standardized test, e.g., ATI (Assessment Technologies Institute) Comprehensive Assessment and Review Program is utilized within the nursing program to assist in student learning.

- Nursing program policy requires a minimum grade of C in science courses (Chemistry, Anatomy and Physiology 1 and 2, Microbiology), only one allowed retake of each science course is allowed. The minimum grade of C+ (77) must be achieved in all nursing courses.

- Students must pass theory, college lab, and clinical practice components of each nursing course in order to pass the course. Students must take the pre and co-requisite courses according to the published curriculum plan.

- Students enrolled in nursing courses with a clinical component are required to pass a math/dosage calculation competency test before being allowed to administer medications in a clinical setting. Students will be withdrawn from the nursing course, if they are unable to pass after three attempts.

- Students who do not achieve the minimum passing grade within the respective course will be required to apply for reinstatement, which may involve meeting additional requirements and a successful score on a readmission exam. Readmission will be granted on a space available basis.
Students are allowed to repeat only ONE nursing course. Students must complete a remediation program and successfully pass a readmission exam before reinstatement into the Nursing Program is granted. Withdrawal from a nursing course at any time is considered a separation from the nursing program. If the course grade at the time of withdrawal is below the passing standard, the grade recorded will be a WF and it counts as a separation or a repeat of a nursing course. Only one reentry into the nursing program after course failure or separation is allowed.

- Nursing students are required to complete a nursing program scheduled on-site NCLEX-RN review course prior to taking the licensing exam.

**Bachelor of Science in Veterinary Science**

**Veterinary Science – Clinical & Laboratory Animal Medicine and Pre-Veterinary Concentrations**

This program is designed for students interested in a career in veterinary science and technology. The format allows a student to earn an associate degree in Veterinary Technology while working toward a Bachelor of Science degree in Veterinary Science. The course requirements for the associate degree are outlined in the catalog associate degree programs under Veterinary Technology. Graduates of other associate degree programs in Veterinary Technology accredited by the American Veterinary Medical Association may transfer directly into the bachelor’s degree program (as long as all mandatory courses have been completed and all Prerequisite courses for courses in the bachelor’s degree in Veterinary Science Program have been or will have been met).

The demand for qualified graduates in veterinary science and technology far exceeds the supply. Employers cite an increasing need for well-trained veterinary science career professionals. Careful selection of courses and externship experiences can help graduates meet eligibility requirements to sit for certification exams in clinical laboratory technology, emergency medicine and critical care, laboratory animal medicine, and to work in medical and pharmacological research.

Students are encouraged to work part-time in a veterinary practice or biotechnical research setting to maintain learned technical and nursing skills. Junior and senior students who have attained certification, licensing or registration are also eligible to apply for employment as laboratory teaching assistants in the associate degree Veterinary Technology program.

The Veterinary Science curriculum has a collection of core course requirements and electives. The core requirements build a foundation of knowledge for all graduate veterinary technicians. The elective course offerings provide the opportunity for the student to pursue his/her individual interests such as laboratory animal medicine, companion animal medicine or prepare to pursue a postgraduate degree (MS, Ph.D., DVM).

This broad-based baccalaureate degree program in biologic sciences, veterinary sciences and animal husbandry also allows students to select in-depth instruction and clinical experience with a practical theme. The two concentration options available are Clinical and, Laboratory Animal Medicine and Pre-Veterinary. Supplementing the didactic course work is an externship in which the student receives hands-on training at an approved facility such as a veterinary practice or research facility. The student
works directly with his/her faculty advisor to select appropriate elective courses within the curriculum to match their particular area of interest.

An integral part of the program is the Lenfest Animal Health Center. This on-campus veterinary clinic treats hundreds of animals annually and allows students to gain valuable hands-on clinical experience as part of the curriculum. In addition to the veterinary clinic on campus, field trips are made to local shelters, Worcester Housing Authority, and farm animal facilities. These out-reach programs give the students experiences with a wide range of animal species.

Please refer to the specific admission requirements for all Veterinary programs in the Admission section of the academic catalog, under the Veterinary Applicants section.

For further information about our facility, faculty and curriculum, go to the Animal Science Programs department webpage (www.becker.edu/academics/departments-programs/animal-science).

**Clinical & Laboratory Animal Medicine Concentration**

This concentration is designed to further enhance the student’s knowledge of nutrition, husbandry, nursing, diseases and preventive medicine for the common domestic animals and laboratory animal species. In addition to a strong foundation in science courses, a student may focus on their particular interest with the appropriate elective courses and externships that reflect their career pathway.

**Special Requirements:**

All full and part-time students are required to demonstrate proof of medical insurance, a tetanus booster within the last ten (10) years, and a tuberculosis test within one (1) year to participate in animal laboratories, veterinary clinic rotations and career externships. Rabies pre-exposure prophylaxis immunization is highly recommended. Students are required to either show proof of rabies immunization or sign a declination form. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

Students must achieve a 'C' or better in all core program courses and program electives to graduate from the program. A student will be allowed to repeat a total of two core courses or program electives. Failure to achieve a 'C' or better in any two core courses or program electives after two attempts will result in dismissal from the Veterinary Science program. Core courses and program electives are designated by an (*).

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.
### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTSC1101 Clinical Veterinary Experience I*</td>
<td>4</td>
<td>VTSC1102 Clinical Veterinary Experience II*</td>
<td>4</td>
</tr>
<tr>
<td>BIOL1005 Anatomy and Physiology of Domestic Animals I*</td>
<td>4</td>
<td>BIOL1006 Anatomy and Physiology of Domestic Animals II*</td>
<td>4</td>
</tr>
<tr>
<td>CHEM1001 Chemistry I*</td>
<td>4</td>
<td>VTSC1200 Veterinary Pharmacology*</td>
<td>2</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>CHEM1002 Chemistry II*</td>
<td>4</td>
</tr>
<tr>
<td>MATH1200 College Algebra*</td>
<td>3</td>
<td>ENGL1001 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>17</td>
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</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTSC2500 Veterinary Anesthesia and Surgery*</td>
<td>4</td>
<td>VTSC2000 Laboratory Animal Science*</td>
<td>2</td>
</tr>
<tr>
<td>VTSC2102 Clinical Pathology*</td>
<td>3</td>
<td>VTSC2001 Veterinary Radiology*</td>
<td>2</td>
</tr>
<tr>
<td>VTSC2900 Externship Module I*</td>
<td>2</td>
<td>VTSC2101 Veterinary Hematology*</td>
<td>3</td>
</tr>
<tr>
<td>VTSC2902 Practical Experience I*</td>
<td>1</td>
<td>VTSC2201 Farm Animal Skills*</td>
<td>2</td>
</tr>
<tr>
<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>VTSC2904 Practical Experience II*</td>
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</tr>
<tr>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
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<tr>
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<td></td>
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</table>

### Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM3003 Biochemistry*</td>
<td>3</td>
<td>VTSC3200 Clinical Animal Behavior*</td>
<td>3</td>
</tr>
<tr>
<td>ANSC3100 Animals in Society*</td>
<td>3</td>
<td>Open Elective</td>
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</tr>
<tr>
<td>BIOL2502 Microbiology*</td>
<td>4</td>
<td>Elective (History)</td>
<td>3</td>
</tr>
<tr>
<td>VTSC3401 Pathophysiology of Disease*</td>
<td>3</td>
<td>Elective (Veterinary Science*)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Communications)</td>
<td>3</td>
<td>Elective (Global Awareness and Diversity)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Elective (Health Education)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>18</td>
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</tbody>
</table>
### Senior Year

**Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL3500</td>
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<tr>
<td>VTSC3600</td>
<td>Veterinary Nutrition*</td>
<td>3</td>
</tr>
<tr>
<td>VTSC4900</td>
<td>Externship Module II*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective (Humanities/Social Science)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective (Veterinary Science*)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective (Math*)</td>
<td>3</td>
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**Spring Semester**

<table>
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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>VTSC4901</td>
<td>Externship Module IIIa*</td>
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<tr>
<td>VTSC4902</td>
<td>Externship Module IIIb* or Open Elective</td>
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<tr>
<td>VTSC4903</td>
<td>Externship Module IIIc* or Open Elective</td>
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</tr>
<tr>
<td>VTSC4500</td>
<td>Senior Seminar*</td>
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**Total Credits:** 132

**Clinical and Lab Animal Medicine electives include (no more than 1 elective at the 2000 level):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ANSC2403</td>
<td>Equine Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ANSC2701</td>
<td>Equine Anatomy &amp; Physiology</td>
<td>3</td>
</tr>
<tr>
<td>ANSC3301</td>
<td>The Human and Animal Bond</td>
<td>3</td>
</tr>
<tr>
<td>ANSC3503</td>
<td>Equine Reproduction and Breeding</td>
<td>3</td>
</tr>
<tr>
<td>BIOL3001</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL3201</td>
<td>Primatology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL3202</td>
<td>Histology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL4200</td>
<td>Biotechniques</td>
<td>3</td>
</tr>
<tr>
<td>EQST3701</td>
<td>Equine Biomechanics and Conformation</td>
<td>3</td>
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<tr>
<td>EQST4201</td>
<td>Equine Pathology and Disease</td>
<td>3</td>
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<tr>
<td>PSYC2603</td>
<td>Brain and Behavior</td>
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<td>PSYC3605</td>
<td>Zoobiquity Theory</td>
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<tr>
<td>VTSC3100</td>
<td>Laboratory Animal Management</td>
<td>3</td>
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<tr>
<td>VTSC3400</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>VTSC3402</td>
<td>Advanced Veterinary Nursing Techniques</td>
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<tr>
<td>VTSC4102</td>
<td>Laboratory Animal Diseases</td>
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<tr>
<td>VTSC4401</td>
<td>Companion Animal Diseases</td>
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**Mathematics electives include:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL3200</td>
<td>Biostatistics</td>
<td>3</td>
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<tr>
<td>MATH2200</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH2202</td>
<td>Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

### Pre-Veterinary Concentration

The pre-veterinary concentration allows the student to receive a Bachelor's Degree in Veterinary Science, meeting the requirements for most veterinary schools as well as the requirements for the two-year, AVMA-accredited program in Veterinary Technology. Students are advised that the requirements of each veterinary school are different, and that they may need to take additional courses to meet the
Prerequisite requirements of a specific school. Students should be prepared to begin the application process at the end of the junior year and may receive feedback at that time on how they might make their application stronger. Students are encouraged to join the pre-veterinary club and take advantage of the opportunities to network with other students, professionals and guest speakers.

Special Requirements:

All full and part-time students are required to demonstrate proof of medical insurance, a tetanus booster within the last ten (10) years, and a tuberculosis test within one (1) year to participate in animal laboratories, veterinary clinic rotations and career externship. Rabies pre-exposure prophylaxis immunization is highly recommended. Students are required to either show proof of rabies immunization or sign a declination form. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

Students must achieve a ‘C’ or better in all core program courses and program electives to graduate from the program. A student will be allowed to repeat a total of two core courses or program electives. Failure to achieve a ‘C’ or better in any two core courses or program electives after two attempts will result in dismissal from the Pre-Veterinary program. Core courses and program electives are designated by an (*).

Note: A student who may be withdrawn from the Pre-Veterinary program might still be retained in Veterinary Technology or the 4-year Clinical and Lab Animal Medicine concentration if they have failed to achieve the ‘C’ in courses not in those 2 programs. For instance, a Pre-Veterinary student may repeat Biology 1 and 2, then get a C- in Organic Chemistry, and still be eligible for either of the other degree programs.

This sample curriculum sequence illustrates how a student might progress through the concentration. Course sequencing may vary as long as prerequisites are met.

Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL1001   Biology I*</td>
<td>4</td>
<td>BIOL1002   Biology II*</td>
<td>4</td>
</tr>
<tr>
<td>CHEM1001   Chemistry I*</td>
<td>4</td>
<td>CHEM1002   Chemistry II*</td>
<td>4</td>
</tr>
<tr>
<td>ENGL1001   English Composition I</td>
<td>3</td>
<td>ENGL1003   Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>ACAD1001   First Year Experience</td>
<td>2</td>
<td>INFO1001   Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>MATH1200   College Algebra*</td>
<td>3</td>
<td>MATH2202   Calculus* or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH2200   Statistics*</td>
<td></td>
</tr>
<tr>
<td></td>
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<td>16</td>
</tr>
<tr>
<td></td>
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<td>17</td>
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</tbody>
</table>
### Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTSC1101 Clinical Veterinary Experience I*</td>
<td>4</td>
<td>VTSC1102 Clinical Veterinary Experience II*</td>
<td>4</td>
</tr>
<tr>
<td>BIOL1005 Anatomy and Physiology of Domestic Animals I*</td>
<td>4</td>
<td>BIOL1006 Anatomy and Physiology of Domestic Animals II*</td>
<td>4</td>
</tr>
<tr>
<td>CHEM2101 Organic Chemistry I*</td>
<td>4</td>
<td>CHEM2102 Organic Chemistry II*</td>
<td>4</td>
</tr>
<tr>
<td>Elective (History)</td>
<td>3</td>
<td>VTSC1200 Veterinary Pharmacology*</td>
<td>2</td>
</tr>
<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>Elective (Communication)</td>
<td>3</td>
</tr>
<tr>
<td>18</td>
<td></td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTSC2001 Veterinary Radiology*</td>
<td>2</td>
<td>VTSC2500 Veterinary Anesthesia and Surgery*</td>
<td>4</td>
</tr>
<tr>
<td>VTSC2101 Veterinary Hematology*</td>
<td>3</td>
<td>VTSC2102 Clinical Pathology*</td>
<td>3</td>
</tr>
<tr>
<td>VTSC2000 Laboratory Animal Science*</td>
<td>2</td>
<td>VTSC2904 Practical Experience II*</td>
<td>1</td>
</tr>
<tr>
<td>VTSC2201 Farm Animal Skills*</td>
<td>2</td>
<td>BIOL2502 Microbiology*</td>
<td>4</td>
</tr>
<tr>
<td>CHEM3003 Biochemistry*</td>
<td>3</td>
<td>Elective (Health Education)</td>
<td>3</td>
</tr>
<tr>
<td>VTSC2900 Externship Module I*</td>
<td>2</td>
<td>Elective (Global Awareness and Diversity)</td>
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<tr>
<td>VTSC2902 Practical Experience I*</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANSC3100 Animals in Society*</td>
<td>3</td>
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<td>18</td>
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### Senior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTSC3401 Pathophysiology of Disease*</td>
<td>3</td>
<td>Elective (Humanities / Social Science)</td>
<td>3</td>
</tr>
<tr>
<td>VTSC3600 Veterinary Nutrition*</td>
<td>3</td>
<td>VTSC Elective*</td>
<td>3</td>
</tr>
<tr>
<td>BIOL3500 Genetics*</td>
<td>3</td>
<td>PHYS2002 Physics II*</td>
<td>4</td>
</tr>
<tr>
<td>PHYS2001 Physics I*</td>
<td>4</td>
<td>VTSC4500 Senior Seminar*</td>
<td>2</td>
</tr>
<tr>
<td>Elective (Humanities)</td>
<td>3</td>
<td>VTSC4900 Externship Module II*</td>
<td>3</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>VTSC4901 Externship Module IIIa*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

**Total Credits:** 138

### Pre-Veterinary Science electives include (no more than 1 elective at the 2000 level):

- ANSC2403 Equine Nutrition 3 Credits
- ANSC2701 Equine Anatomy & Physiology 3 Credits
- ANSC3301 The Human and Animal Bond 3 Credits
- ANSC3503 Equine Reproduction and Breeding 3 Credits
- BIOL3001 Cell Biology 3 Credits
Laboratory Animal Management Concentration

The objective of the Laboratory Animal Management Concentration is to prepare graduates to provide the daily care for the animals used in biomedical research, and to provide support to the veterinary and research staff within a research facility. Graduates will be prepared to assume supervisory roles relating to the overall management of laboratory animal care personnel and the animal care facility.

The Massachusetts Society for Medical Research has identified the lack of sufficient appropriately trained staff caring for Laboratory Animals as one of the biggest threats to the more than $2.5 billion dollar industry of biomedical research in New England. According to the Bureau of Labor Statistics, this field is expected to grow faster than average through 2016. The Worcester area is home to several scientific research and development companies which are significant employers in this area.

The College’s modern, on-campus veterinary clinic houses a kennel, laboratory animal rooms, dog training and grooming rooms in addition to clinical facilities. Field trips to area research facilities supplement the hands-on experience in the classroom and laboratory. Students are encouraged to work part-time in a biotechnical research setting to enhance learned technical skills. This is facilitated by the externship components of the curriculum which may result in additional employment opportunities.

For further information about our facility, faculty and curriculum, go to the Animal Science Programs department web page (www.becker.edu/academics/departments-programs/animal-science).

Special Requirements:

All full and part-time students are required to demonstrate proof of medical insurance, a tetanus booster within the last ten (10) years, and a tuberculosis test within one (1) year to participate in animal laboratories, veterinary clinic rotations and career externship. Rabies pre-exposure prophylaxis immunization is highly recommended. Students are required to either show proof of rabies immunization or sign a declination form. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.
## Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC1003 Animal Care Management</td>
<td>3</td>
<td>ANSC1400 Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC1005 Kennel Operation and Design</td>
<td>3</td>
<td>ANSC1010 Animal Health Skills</td>
<td>3</td>
</tr>
<tr>
<td>BIOL1001 Biology I</td>
<td>4</td>
<td>BIOL1002 Biology II</td>
<td>4</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>MATH1200 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

## Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL1005 A&amp;P Domestic Animals</td>
<td>4</td>
<td>BIOL1006 A&amp;P Domestic Animals II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM1001 Chemistry I</td>
<td>4</td>
<td>CHEM1002 Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>ANSC2401 Animal Nutrition</td>
<td>3</td>
<td>ANSC2501 Animal Breeding</td>
<td>3</td>
</tr>
<tr>
<td>ANSC2200 Dog Obedience</td>
<td>2</td>
<td>ANSC2202 Domestic Animal Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ANSC2000 Introduction to Laboratory Animal Science</td>
<td>2</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>ANSC2900 Externship Module I****</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>18</td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

## Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL2502 Microbiology</td>
<td>4</td>
<td>MGMT2200 Principles of Management and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>ANSC3401 Lab Animal Tech Methods I</td>
<td>4</td>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Health Education)</td>
<td>3</td>
<td>ANSC3402 Lab Animal Tech Methods II</td>
<td>4</td>
</tr>
<tr>
<td>Elective (Communication)</td>
<td>3</td>
<td>VTSC3100 Lab Animal Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>BIOL3200 Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>
### Senior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC3100 Animals in Society</td>
<td>3</td>
<td>ANSC4700 The World of Research</td>
<td>3</td>
</tr>
<tr>
<td>BIOL3201 Primatology</td>
<td>3</td>
<td>ANSC4901 Externship Module IIb</td>
<td>3</td>
</tr>
<tr>
<td>ANSC4900 Externship Module IIa</td>
<td>3</td>
<td>Elective (open)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective (Humanities)</td>
<td>Elective (Humanities/Social Science)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective (History)</td>
<td>Elective (Global Awareness and Diversity)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Total Credits:</td>
<td>126</td>
</tr>
</tbody>
</table>

Students who determine after the beginning of the sophomore year that they do not wish to continue the bachelor’s degree can typically complete the AS in Animal care in a total of five semesters. They must complete the following courses:

- ANSC1201 Introduction to Grooming 1 Credit
- ANSC2201 Intermediate Grooming 2 Credits
- MGMT2500 Small Business Administration 3 Credits
- Elective (Humanities/Social Science) 6 Credits

Total Credits: 12

Students who determine BEFORE the beginning of the sophomore year that they do not wish to complete the bachelor’s degree can complete the AS in Animal Care in the traditional four semesters by taking ANSC1201 and ANSC2201 concurrently in the fourth semester.

****The hours for this externship are completed in the summer between the first and second years.

### Equine Studies Concentration

This program offers students the opportunity to increase their knowledge of horses and develop marketable skills. The horse industry is highly diverse and offers a variety of employment opportunities. With this diversity of opportunities and areas of interest in mind, the major has been designed accordingly.

All Equine Studies students take a required core of equine courses, which have both a classroom based and hands on component, which provides a solid foundation in theory and practice. The equine core courses are followed by a choice of several equine electives. After completing the core courses and equine electives, the student, in consultation with her/his academic advisor will be able to customize the remainder of the program in accordance with the student’s goals and interests in regard to the equine field by using a set of “open” electives.

This provides the student with a primary focus in one area to gain an in depth education in that aspect of the equine field. For example, a student with a strong interest in riding instruction who completed
the sequence of riding instruction courses would have the background to sit for the Massachusetts Riding Instructor certification. Alternatively, a student interested in graduate studies would be able to use some of the elective credits to fulfill prerequisites for specific graduate level programs in the sciences, or develop cross-disciplinary interests, such as animal behavior. Others might elect to focus on equine facilities/stable management, or to take courses in several areas to keep their employment options broad.

An externship during the senior year provides the student with the opportunity to gain valuable work experience in an environment which provides continued support to the learning process.

**Entrance Requirements:** See Becker College admissions information. A tetanus toxoid booster is required within the ten years preceding entrance. It is the student’s responsibility to keep this vaccine current. A prophylactic rabies vaccine is recommended, but should the student choose not to get the vaccine then a waiver must be signed before the student is allowed to participate in any courses involving direct contact with animals or the equine facility. Students must be able to lift a minimum of 50 Lbs. without assistance and work around 1000 Lb. animals in small quarters, as well as haul feed and bedding. Therefore, students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. A student must be able to gauge an animal’s body language and hear the animal coming up behind them. Students are advised to discuss their plans for entrance into this major with their family physician if they have severe allergies to hay, straw, shavings and/or other limitations of concern.

A precautionary note: Since horses can be unpredictable in their behavior, a degree of risk is inherent to working with these animals. A waiver of liability is required to be signed at the time the student enters the program. Students may need to consider the cost of sturdy work shoes or boots that can be easily cleaned, and coveralls when working in the facility. Students involved with any of the equitation or riding classes will need to supply their own helmets and riding boots (specifications to be discussed by course instructors). Students should keep in mind that transportation provided by the College to the riding facility may not always be available when needed.

**Horses used in class:** Any student entering the program with a physical requirement for a certain type or size of horse will be accommodated as much as possible. However, if the school is unable to find the appropriate horse to meet a student’s physical needs, the student may not be able to complete the Program.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.
## Freshman Year

### Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD1001</td>
<td>First Year Experience</td>
<td>2</td>
<td>ANSC1400</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001</td>
<td>English Composition I</td>
<td>3</td>
<td>ENGL1003</td>
<td>3</td>
</tr>
<tr>
<td>PSYC1001</td>
<td>Introduction to Psychology</td>
<td>3</td>
<td>EQST1001*</td>
<td>3</td>
</tr>
<tr>
<td>EQST1601</td>
<td>Foundation in Equine Care</td>
<td>3</td>
<td>INFO1001</td>
<td>3</td>
</tr>
<tr>
<td>MATH1200</td>
<td>College Algebra</td>
<td>3</td>
<td></td>
<td>14</td>
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</tbody>
</table>

### Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL1001</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1003</td>
<td>Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>EQST1001*</td>
<td>Foundations in Riding I</td>
<td>3</td>
</tr>
<tr>
<td>EQST1002</td>
<td>Foundations in Riding II</td>
<td>3</td>
</tr>
<tr>
<td>INFO1001</td>
<td>Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
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</table>

## Sophomore Year

### Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQST2801</td>
<td>Fundamentals of Farm and Stable Management</td>
<td>3</td>
<td>ENGL1500</td>
<td>3</td>
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<tr>
<td>ANSC2701</td>
<td>Equine Anatomy and Physiology</td>
<td>3</td>
<td>ANSC2403</td>
<td>3</td>
</tr>
<tr>
<td>EQST1002</td>
<td>Foundations of Riding II or Principles of Riding</td>
<td>3</td>
<td>EQST3100</td>
<td>3</td>
</tr>
<tr>
<td>EQST2001</td>
<td>Instruction I or Basic Training Methods</td>
<td>3</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>EQST3200</td>
<td></td>
<td>3</td>
<td>EQST2200</td>
<td>3</td>
</tr>
<tr>
<td>BIOL1001</td>
<td>Biology I or Anatomy &amp; Physiology of Domestic Animals I</td>
<td>4</td>
<td>EQST2200</td>
<td>3</td>
</tr>
<tr>
<td>BIOL1005</td>
<td></td>
<td>4</td>
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<td>16</td>
</tr>
<tr>
<td>ENVS1001</td>
<td>Environmental Science I</td>
<td>3</td>
<td>BIOL1002</td>
<td>4</td>
</tr>
<tr>
<td>Elective (Global Awareness and Diversity)</td>
<td>3</td>
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<td></td>
<td></td>
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<td>ENVS1002</td>
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</table>
## Junior Year

### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH2200 Statistics or Calculus</td>
<td>3</td>
<td>EQST3701 Equine Biomechanics and Conformation</td>
<td>3</td>
</tr>
<tr>
<td>MATH2202 Calculus</td>
<td>3</td>
<td>EQST4500 Equine Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>SPAN1001 Conversational Spanish (suggested) or Elective (Humanities)</td>
<td>3</td>
<td>Elective (Humanities or Social Science)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Health Education)</td>
<td>3</td>
<td>EQST4906 Externship Module Ia</td>
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</tr>
<tr>
<td>Elective (History)</td>
<td>3</td>
<td>EQST4201 Equine Pathology and Diseases</td>
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</tr>
<tr>
<td>Open Elective</td>
<td>3</td>
<td>EQST4908 Externship Module Ib</td>
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<td>Open Elective</td>
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<td>Open Elective</td>
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<td>Open Elective</td>
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<td>Open Elective</td>
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<tr>
<td></td>
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</table>

### Senior Year

### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQST3104 Special Topics in Equine Industry</td>
<td>3</td>
<td>EQST3701 Equine Biomechanics and Conformation</td>
<td>3</td>
</tr>
<tr>
<td>EQST4906 Externship Module Ia</td>
<td>3</td>
<td>EQST4500 Equine Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Equine Studies)</td>
<td>3</td>
<td>Elective (Equine)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Humanities)</td>
<td>3</td>
<td>Elective (Equine)</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
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<tr>
<td>Open Elective</td>
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<td>Open Elective</td>
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</tr>
<tr>
<td></td>
<td>18</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

**Total Credits:** 124

*Students may test out of EQST1001 with a combination of in-saddle skills demonstration and written examination. These students will be required to take EQST1002.*

## Associate Degree Programs

### Associate of Science in Animal Care

This program has been specifically developed for those individuals who feel a strong attachment toward animals and want to work closely with them on a daily basis. Emphasis is placed on the practical aspects of animal care and management. The primary focus is on dogs and cats but students also receive instruction in the health maintenance and care of laboratory animals.

Many students who select the Animal Care program are actually undecided as to which specific area in the animal care field best suits them. One of the strengths of the program is that it exposes students to the wide variety of opportunities in the animal care profession. The College’s modern, on-campus veterinary clinic houses a kennel, dog training and grooming facilities and laboratory animal facilities.
Graduates of this program are prepared to demonstrate correct kennel management procedures; evaluate and modify canine behavior; perform basic grooming skills; and demonstrate proper health, safety and nutritional practices for companion animals.

For further information about our facility, faculty and curriculum, go to the School of Animal Studies web page (www.becker.edu/academics/departments-programs/animal-science).

This sample curriculum sequence illustrates how a student might progress through the program. Course sequence may vary as long as prerequisites are met.

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>ANSC1010 Animal Health Skills</td>
<td>3</td>
</tr>
<tr>
<td>ANSC1003 Animal Care Management</td>
<td>3</td>
<td>ANSC1201 Introduction to Grooming</td>
<td>1</td>
</tr>
<tr>
<td>ANSC1005 Kennel Operation and Design</td>
<td>3</td>
<td>ANSC1400 Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOL1001 Biology I</td>
<td>4</td>
<td>BIOL1002 Biology II</td>
<td>4</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC2000 Introduction to Laboratory Animal Science</td>
<td>2</td>
<td>MATH1200 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>ANSC2201 Intermediate Grooming</td>
<td>2</td>
<td>ANSC2200 Dog Obedience</td>
<td>2</td>
</tr>
<tr>
<td>ANSC2401 Animal Nutrition</td>
<td>3</td>
<td>ANSC2202 Domestic Animal Behavior</td>
<td>3</td>
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<tr>
<td>ANSC2900 Externship Module I</td>
<td>3</td>
<td>ANSC2501 Animal Breeding</td>
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</tr>
<tr>
<td>MGMT2500 Small Business Management</td>
<td>3</td>
<td>ANSC2501 Elective (Humanities/Social Science)</td>
<td>3</td>
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<tr>
<td>Elective (Humanities/Social Science)</td>
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<td></td>
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<td></td>
<td>14</td>
</tr>
<tr>
<td>Total Credits:</td>
<td>62</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Special Requirements:**

All full and part-time students are required to demonstrate proof of medical insurance, a tetanus booster within the last ten (10) years, and a tuberculosis test within one (1) year to participate in animal laboratories, husbandry rotations and career externship. Rabies pre-exposure prophylaxis immunization is highly recommended. Students are required to either show proof of rabies immunization or sign a declination form. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement,
sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

**Associate of Science in Veterinary Technology**

A Veterinary Technician is a graduate of an AVMA-accredited program in Veterinary Technology who has knowledge of applied science and specialized training in animal health, care and management. Graduates of the program are qualified to perform a wide range of technical medical skills and may be employed in veterinary practices, research and academic institutions, biological laboratories, pharmaceutical companies, public health organizations and zoos. The demand for veterinary technicians continues to exceed the supply of graduates.

An integral part of the program is the Lenfest Animal Health Center. This on-campus veterinary clinic treats hundreds of patients annually and allows students to gain valuable hands-on clinical experience as part of the curriculum. In addition to the veterinary clinic on campus, field trips to shelters and large animal facilities add to the clinical experience of the students. These out-reach programs give the students experiences with a wide range of animal species. Additionally, supplementing the didactic course work is an externship in which the student receives hands-on training in an approved research facility, private veterinary practice or veterinary teaching facility.

The curriculum is fully accredited by the American Veterinary Medical Association’s Committee on Veterinary Technician Education and Activities.

For further information about our facility, faculty and curriculum, go to the School of Animal Studies page (www.becker.edu/academics/departments-programs/animal-science).

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTSC1101 Clinical Veterinary Experience I*</td>
<td>4</td>
<td>VTSC1102 Clinical Veterinary Experience II*</td>
<td>4</td>
</tr>
<tr>
<td>BIOL1005 Anatomy and Physiology of Domestic Animals I*</td>
<td>4</td>
<td>BIOL1006 Anatomy and Physiology of Domestic Animals II*</td>
<td>4</td>
</tr>
<tr>
<td>CHEM1001 Chemistry I*</td>
<td>4</td>
<td>VTSC1200 Veterinary Pharmacology*</td>
<td>2</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>CHEM1002 Chemistry II*</td>
<td>4</td>
</tr>
<tr>
<td>MATH1200 College Algebra*</td>
<td>3</td>
<td>ENGL1001 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>17</td>
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## Sophomore Year

<table>
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<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTSC2500 Veterinary Anesthesia and Surgery*</td>
<td>4</td>
<td>VTSC2000 Laboratory Animal Science*</td>
<td>2</td>
</tr>
<tr>
<td>VTSC2102 Clinical Pathology*</td>
<td>3</td>
<td>VTSC2001 Veterinary Radiology*</td>
<td>2</td>
</tr>
<tr>
<td>VTSC2900 Externship Module I*</td>
<td>2</td>
<td>VTSC2101 Veterinary Hematology*</td>
<td>3</td>
</tr>
<tr>
<td>VTSC2902 Practical Experience I*</td>
<td>1</td>
<td>VTSC2201 Farm Animal Skills*</td>
<td>2</td>
</tr>
<tr>
<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>VTSC2904 Practical Experience II*</td>
<td>1</td>
</tr>
<tr>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Elective (Social Science)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Credits:</td>
<td>66</td>
</tr>
</tbody>
</table>

### Special Requirements:

All full and part-time students are required to demonstrate proof of medical insurance, a tetanus booster within the last ten (10) years, and a tuberculosis test within one (1) year to participate in animal laboratories, veterinary clinic rotations and career externship. Rabies pre-exposure prophylaxis immunization is highly recommended. Students are required to either show proof of rabies immunization or sign a declination form. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

Students must achieve a 'C' or better in all core program courses to graduate from the program. A student will be allowed to repeat a total of two core courses. Failure to achieve a 'C' or better in any two core courses after two attempts will result in dismissal from the Veterinary Technology program. Core courses are designated by an (*).

Please refer to the specific admission requirements for all Health Science programs in the Admission section of the academic catalog, under the Veterinary Applicants section.

### Career Opportunities

**Clinical Practice:** Veterinary technicians employed by practicing veterinarians are qualified, on an entry level, to assist in the performance of routine technical procedures including veterinary surgical nursing, diagnostic and laboratory procedures, medical record keeping and client communication. Certification in Massachusetts for veterinary technicians is voluntary. Graduates of an AVMA accredited veterinary technology program are eligible to apply for certification. Technicians who wish to become certified in Massachusetts are required to achieve a qualifying score on the Veterinary Technician National Examination (VTNE).

**Research:** The Animal Technician Certification Board of the American Association for Laboratory Animal Science certifies technicians working in the research sector. After graduation and 6 months of employment in a research setting, the veterinary technician graduate may sit for the AALAS certification examination.
Minors

A minor is a grouping of 6 or more courses, totaling 18 to 21 credits, of which a maximum of 9 credits have 2000-level course designations, and the remainder are at the 3000 or 4000 level. A minor may be similar to, and named for, an existing major such as criminal justice. Or, it may be a special, interdisciplinary grouping such as comparative psychology. The department(s) offering the minor determines which courses are required and any course options. Once a minor is established within a department or departments, it will be listed, along with the requirements of the minor, on the web page for that program or programs. An up-to-date list of minors can be found by visiting the Becker website. The following is a list of available minors during the current catalog year.

- Minor in Alcoholism and Drug Abuse Counseling
- Minor in American Studies
- Minor in Animal Behavior
- Minor in Business
- Minor in Computer Information Systems
- Minor in Creative Writing
- Minor in Criminal Justice
- Minor in Data Analytics
- Minor in English
- Minor in Equine Studies
- Minor in Exercise Science
- Minor in Film and Literature
- Minor in Forensic Science/Crime Scene Processing
- Minor in Global Citizenship
- Minor in Health Analytics
- Minor in Health and Fitness
- Minor in Health Leadership and Management
- Minor in Holistic Health and Wellness
- Minor in Information Security
- Minor in Legal Studies
- Minor in Psychology

Undecided

Students who may be undecided about their career goals upon entering Becker College may declare for an “Undecided” major for the first academic year. The suggested curriculum consists of General Education courses which would be relevant to most, if not all, programs. Students are encouraged to work closely with their advisors to be sure they take courses which will assist in their decision making process.
## Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>ACAD1001 Freshmen Experience</td>
<td>2 Credit</td>
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</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3 Credit</td>
<td>ENGL1003 Writing About Literature</td>
</tr>
<tr>
<td>MATH1200 College Algebra</td>
<td>3 Credit</td>
<td>MATH2200 Statistics</td>
</tr>
<tr>
<td>Elective (Humanities)</td>
<td>3 Credit</td>
<td>INFO1001 Technology and Society</td>
</tr>
<tr>
<td>Elective (Social Science)</td>
<td>3 Credit</td>
<td>Elective (Global Awareness and Diversity)</td>
</tr>
<tr>
<td>Open Elective</td>
<td>3 Credit</td>
<td>Open Elective</td>
</tr>
<tr>
<td></td>
<td>17 Credit</td>
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</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>32 Credit</strong></td>
<td></td>
</tr>
</tbody>
</table>
Center for Accelerated & Professional Studies

Becker College’s Center for Accelerated and Professional Studies offers adult students degree options in a format which is easily integrated into their busy schedule. Most courses are offered in the five week format; although some more technical or science based classes will be seven or fifteen weeks in length. Classroom based courses formally meet one evening per week and online courses run in an asynchronous format. Accelerated Studies offers both Associate and Bachelor degrees, as well as certificates.

Students may apply for admission into the program throughout the year. Contact the Center for Accelerated & Professional Studies at 508.373.9500 to speak to an admissions counselor.

Associate of Science in Early Childhood Education

The Early Childhood Education program at Becker is designed to maximize your future, career and academic options in your chosen field of education. The program will prepare you as an Early Education and Care approved teacher of infants, toddlers and preschoolers in an early childhood center upon graduation. As a graduate, you will be capable of planning and executing age-appropriate curriculum activities, and demonstrating sound child development principles.

The liberal arts courses in the program increase individual knowledge and self-concepts as well as transferability to a four-year college program in such related majors as elementary education, special needs education, child health work, child psychology and human services.

For practical teaching experience, Becker uses over 20 centers with excellent and diverse programs.

Upon completion of the A.S. degree, students may elect to continue in Becker’s B.A. in Early Childhood & Youth Education or Psychology degree.

<table>
<thead>
<tr>
<th>Group One Requirements</th>
<th>Credit Hours</th>
<th>Group Two Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC1003 Principles of Education</td>
<td>4</td>
<td>EDUC1001 Behavior &amp; the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>EDCU1004 Experiences in ECE Curriculum</td>
<td>4</td>
<td>EDUC2004 Administrating &amp; Evaluating Programs</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Serving Children &amp; Youth</td>
<td></td>
</tr>
<tr>
<td>EDUC1201 Arts in Education</td>
<td>3</td>
<td>EDUC2203 Diverse Learner in the Classroom</td>
<td>3</td>
</tr>
<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>EDUC2500 Practicum in Early Childhood Education</td>
<td>6</td>
</tr>
<tr>
<td>PSYC1002 Developmental Child Psychology</td>
<td>3</td>
<td>EDUC3000 Foundations in American Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>PSYC2806 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
<td>ENGL1006 Children’s Literature</td>
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</tr>
<tr>
<td>INFO1001 Technology &amp; Society</td>
<td>3</td>
<td>ENGL2102 Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>MATH1200 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 64
Bachelor of Arts in Early Childhood and Youth Education

The Bachelor of Arts in Early Childhood and Youth Education degree will help you develop the skills essential for making a positive impact on children and youth in a variety of settings, give you real-world application through field experience, and provide invaluable knowledge for making significant contributions to the growth of children and youth. Upon graduation, you will be prepared to work with children from birth to age 14 in a variety of community agencies and educational settings.

<table>
<thead>
<tr>
<th>Group One Requirements</th>
<th>Credit Hours</th>
<th>Group Two Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC1003 Principles of American Education</td>
<td>4</td>
<td>EDUC1001 Behavior &amp; the Young Child</td>
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</tr>
<tr>
<td>EDUC1004 Experiences in ECE Curriculum</td>
<td>4</td>
<td>EDUC2203 Diverse Learner in the Classroom</td>
<td>3</td>
</tr>
<tr>
<td>EDUC1201 Arts in Education</td>
<td>3</td>
<td>PSYC2105 Social Psychology</td>
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</tr>
<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>PSYC2203 Understanding Diversity</td>
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</tr>
<tr>
<td>PSYC1002 Developmental Child Psychology</td>
<td>3</td>
<td>PSYC2806 Educational Psychology</td>
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<tr>
<td>SOCI1001 Introduction to Sociology</td>
<td>3</td>
<td>ENGL1006 Children’s Literature</td>
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<tr>
<td>SOCI2400 Social Problems</td>
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<td>ENGL2102 Advanced Composition</td>
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<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>INFO1001 Technology &amp; Society</td>
<td>3</td>
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<tr>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
<td>ENGL2003 Public Speaking</td>
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<tr>
<td>MATH1200 College Algebra</td>
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<td>MATH2200 Statistics</td>
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<table>
<thead>
<tr>
<th>Group Three Requirements</th>
<th>Credit Hours</th>
<th>Group Four Requirements</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>EDUC2004 Administrating &amp; Evaluating Programs Serving Children &amp; Youth</td>
<td>3</td>
<td>EDUC3500 Practicum II</td>
<td>6</td>
</tr>
<tr>
<td>EDUC2405 Observing, Documenting &amp; Assessing Young Children</td>
<td>3</td>
<td>EDUC4100 Early Childhood Capstone</td>
<td>3</td>
</tr>
<tr>
<td>EDUC2500 Practicum in Early Childhood Education</td>
<td>6</td>
<td>PSYC3200 Psychology of Family</td>
<td>3</td>
</tr>
<tr>
<td>EDUC3101 Foundations of Literacy</td>
<td>3</td>
<td>PSYC3400 Abnormal Psychology</td>
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<tr>
<td>EDUC3203 Mathematics &amp; Science for Young Children</td>
<td>3</td>
<td>Global Awareness and Diversity Elective</td>
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<td>ENGL2003 Public Speaking</td>
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<td>Social Science Elective</td>
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<tr>
<td>MATH2200 Statistics</td>
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<td>Open Elective</td>
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<tr>
<td>Health Elective</td>
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<td>Open Elective</td>
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</table>

Total Credits: 124
Bachelor of Arts in Liberal Arts – Elementary Education Concentration  
(Leading to initial teacher licensure in Elementary Education, Grades 1-6)

To meet the needs of adult students seeking a career in Education, Becker College offers an evening Accelerated Degree Program in Liberal Arts designed to prepare students for initial teacher licensure in Elementary Education. The Accelerated Degree Program in Elementary Education focuses on adult students who continue working while earning the majority of their degree. Small classes taught by skilled Becker faculty and working professionals create the best environment for academic and professional learning.

Enrollment in prepracticum courses (EDUC3305, EDUC3300, EDUC3101 and EDUC3102) requires students to have achieved a passing grade in the Communication and Literacy Skills (MTEL). Passing scores on the Communications and Literacy, Foundations of Reading of Reading and General Curriculum subtests Subject Matter and Mathematics section of the MTEL is required in order to enroll in EDUC4201 (Elementary Education Practicum) and EDUC4202 (Elementary Education Seminar).

Students may not enroll in more than two pre-practicum courses at the same time.

<table>
<thead>
<tr>
<th>Group One Requirements</th>
<th>Credit Hours</th>
<th>Group Two Requirements</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ARTS1003 Art History I OR</td>
<td>3</td>
<td>EDUC2700 Teaching English Language Learners</td>
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<tr>
<td>ARTS1004 Art History II</td>
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<td>HIST1402 World History II</td>
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<tr>
<td>ENGL1001 English Composition I</td>
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<td>GOVT1108 American Government</td>
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<td>ENGL1003 Writing About Literature</td>
<td>3</td>
<td>SOCI1001 Introduction to Sociology</td>
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<td>ENGL2003 Public Speaking</td>
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<td>PSYC2105 Social Psychology</td>
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<td>ENGL2102 Advanced Composition</td>
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<td>INFO1001 Technology &amp; Society</td>
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<tr>
<td>PSYC1001 Introduction to Psychology</td>
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<td>MATH1200 College Algebra</td>
<td>3</td>
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<tr>
<td>PSYC1002 Developmental Child Psychology</td>
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<td>MATH1300 Contemporary Topics in Math</td>
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<tr>
<td>HIST1308 U.S. History I</td>
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<td>MATH2200 Statistics</td>
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<td>HIST1309 U.S. History II</td>
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<td>PHIL1001 Introduction to Philosophy</td>
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<td>HIST1401 World History I</td>
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<td>Humanities Elective</td>
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<td>Health Elective</td>
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<tr>
<td>Group Three Requirements</td>
<td>Credit Hours</td>
<td>Group Four Requirements</td>
<td>Credit Hours</td>
</tr>
<tr>
<td>----------------------------------------------</td>
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</tr>
<tr>
<td>EDUC2203 Diverse Learner in the Classroom</td>
<td>3</td>
<td>EDUC3000 Foundations in American Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC3105 Introduction to the Teaching</td>
<td>3</td>
<td>EDUC3101 Foundations of Literacy**</td>
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<tr>
<td>Profession</td>
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<td>EDUC3102 Literacy: Curriculum and Instruction in</td>
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<td></td>
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<td>the Elementary School**</td>
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<tr>
<td>ENGL1006 Children’s Literature</td>
<td>3</td>
<td>EDUC3300 Science and Social Studies: Curriculum</td>
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<td></td>
<td></td>
<td>and Instruction in the Elementary School**</td>
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<tr>
<td>ENGL2200 American Literature I</td>
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<td>EDUC3305 Mathematics: Curriculum and Instruction</td>
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<td>in the Elementary School**</td>
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<td>PSYC2806 Educational Psychology</td>
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<td>PHSC1001 Integrated Physical Science</td>
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<td>EDUC4202 Elementary Education Seminar</td>
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<tr>
<td>BIOL1101 Issues in Biology</td>
<td>4</td>
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</table>

**Total Credits: 125**

**Students must be accepted into the Education Licensure program before enrolling in these courses which include a pre-practicum.

Student Teaching (Practicum)

Student teaching (practicum) is a field-based experience in a public elementary school, supervised jointly by a public school teacher and college supervisor. Practicum is full-time throughout a semester (a minimum of 300 hours).

Prior to student teaching [EDUC4201/4202 (practicum)], a student must successfully complete three pre-practica experiences in a public elementary school and pass the Foundations of Literacy and General Curriculum sections of the MTEL exam. Pre-practica are preparatory, field-based experiences for student teaching.

As part of the practicum supervision process, the student will participate in a weekly seminar session with the college supervisor. Students are evaluated using a performance assessment tool based on guidelines developed by the Massachusetts Department of Elementary and Secondary Education.

Bachelor of Arts in Psychology

The Accelerated degree program in Psychology prepares students to work with children, adolescents, and families within a broad range of community agencies. Graduates of this program will be prepared for entry-level positions in a variety of professions within schools and/or community agencies.

An accelerated B.A. to M.A. program affords Becker College undergraduate students an opportunity to gain conditional acceptance into the program as early as the summer before their senior year. Upon graduation, including a successful completion of all B.A. to M.A. requirements, this accelerated student will be awarded unconditional acceptance into the graduate program, and will require 1.5 years to complete the Master of Arts degree curriculum. Refer to the Division of Graduate Studies section.
This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.

<table>
<thead>
<tr>
<th>Group One Requirements</th>
<th>Credit Hours</th>
<th>Group Two Requirements</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>PSYC3004 Writing for Psychology</td>
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<td>PSYC1002 Developmental Child Psychology</td>
<td>3</td>
<td>MATH2200 Statistics</td>
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<tr>
<td>PSYC1107 Human Growth and Development</td>
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<td>Science Elective w/Lab</td>
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<td>PSYC2001 Psychology of Adjustment</td>
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<td>Science Elective w/Lab</td>
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<tr>
<td>PSYC2105 Social Psychology</td>
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<td>Psychology Elective</td>
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<tr>
<td>INFO1001 Technology &amp; Society</td>
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<td>Psychology Elective</td>
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</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
<td>Open Elective</td>
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<tr>
<td>MATH1200 College Algebra</td>
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<td>Open Elective</td>
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</tr>
<tr>
<td>SOCI1101 Introduction to Sociology</td>
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<table>
<thead>
<tr>
<th>Group Three Requirements</th>
<th>Credit Hours</th>
<th>Group Four Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC2603 Brain and Behavior</td>
<td>3</td>
<td>PSYC2107 Experimental Social Psychology</td>
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</tr>
<tr>
<td>PSYC3100 Cognitive Psychology</td>
<td>3</td>
<td>PSYC4005 Research Methods in Behavioral Sciences w/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PSYC3305 Group Counseling</td>
<td>3</td>
<td>PSYC4600 Senior Seminar in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC3400 Abnormal Psychology</td>
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<td>Psychology Elective</td>
<td>3</td>
</tr>
<tr>
<td>EDUC2500 ECE Practicum OR</td>
<td>6</td>
<td>Psychology Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective AND</td>
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<td>History Elective</td>
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</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td>Math Elective OR</td>
<td>3</td>
</tr>
<tr>
<td>ENGL2003 Public Speaking</td>
<td>3</td>
<td>INFO Elective</td>
<td>3</td>
</tr>
<tr>
<td>Global Awareness and Diversity Elective</td>
<td>3</td>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
<td>Open Elective</td>
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</tr>
<tr>
<td>Health Elective</td>
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<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 123
Bachelor of Arts in Psychology – Addictions Counseling Concentration

Addictions counseling is one of the fastest areas of growth in the field of Human Services and one of the few areas in which an individual with a Bachelor of Arts degree can obtain professional licensure.

This concentration satisfies the requirements to sit for a CADAC license examination upon graduation. Students will be prepared for graduate study in the area of counseling/clinical psychology. Students will be prepared for employment as a Certified Alcohol and Drug Addictions Counselor.

This program meets the MBSACC (Massachusetts Board of Substance Abuse Counselor Certification) educational requirements for the CADAC Level certification. Work experience is still needed.

<table>
<thead>
<tr>
<th>Group One Requirements</th>
<th>Credit Hours</th>
<th>Group Two Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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**Bachelor of Arts in Psychology – Applied Behavior Analysis Concentration**

The concentration in Applied Behavior Analysis (ABA) is designed to prepare students for a career as a Behavior Therapist/ABA Counselor. Behavior analysts help people learn new behaviors, increase or reduce existing behavior, and teach individuals when to use specific behavior in specific instances. Behavior therapists provide services to individuals, families, group homes, schools, mental health agencies, hospitals, and other agencies working with individuals requiring adaptive living strategies. Most commonly, individuals with the BCABA credential provide services to individuals with special needs, such as children with autism.

This sample curriculum sequence illustrates how a student might progress through the program. Course sequencing may vary as long as prerequisites are met.
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Total Credits: 123
Bachelor of Arts in Psychology – Forensic Psychology Concentration

Forensic Psychology applies psychology to the law and the legal system. Forensic psychologists study problems of crime prevention, rehabilitation programs in prisons, courtroom dynamics, psychology and the law, and issues related to effective policing. Over the last 20 years, the field of forensic psychology has maintained a steady growth rate. It is expected that over the next ten years, consultation, research work, and clinical practice in psychology and the law will continue to grow. Positions working with lawmakers, attorneys, and the courts are predicted to have the highest demand. Changing laws and the development of new ways to deal with juvenile offenders have become hot topics within the field.

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Total Credits: 123
Bachelor of Arts in Psychology – Health & Human Services Concentration

This concentration is designed for the student wishing to pursue a career in the areas of Social Work, Human Service Delivery, Clinical or Community Psychology. Students are prepared for graduate study in the fields of social work, public health, and nonprofit administration. This concentration is interdisciplinary in its focus on health, business, and psychology. Bachelor’s level graduates can assume positions such as: caseworker, admissions counselor, employment counselor, employment interviewer, health care facility administrator, human resource advisor, patient resources and reimbursement agent, personnel recruiter, benefits manager, community organization leader, trainer, or employee health maintenance program specialist.

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Total Credits: 123
*Health Elective or Management Electives must be chosen from the following courses:

- MGMT2200 Principles of Management & Leadership
- MGMT2500 Small Business Management
- MGMT2505 Small Business Entrepreneurship
- MGMT3200 Principles of Management & Leadership
- MGMT3205 Organizational Behavior
- IDHE3102 Business of Healthcare
- IDHE4402 Social Policy & Healthcare Leadership

MGMT3400 Human Resource Management

Students who wish to take IDHE4402 must take MGMT2200 and IDHE3102 as well in order to meet prerequisites.

**Bachelor of Science in Business Administration – Management Concentration (On Campus & Online)**

The online BSBA focuses on 18 core management courses. Each course runs for five weeks, and is facilitated by faculty who work in a range of leading industries. Classes are focused on studying real work environments, examining case studies, and participating in work simulations, team projects and breakout sessions. This approach is designed to provide the online BSBA candidate with the strategic, managerial, leadership, and change management skills essential for today's dynamic business workplace.

**Core Requirements**

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<td>MGMT3600</td>
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<td>MGMT2200</td>
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<td>MGMT3800</td>
<td>Managing Diversity in the Changing Workplace</td>
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General Education Requirements

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</table>

Total Credits: 123

The Portfolio Class

In order to open a portfolio, you will first register for and attend the Portfolio Class, a 2 credit course. This course is a prerequisite for the portfolio process. The class reviews resume and cover letter writing, interview skills and personal branding, as well as training reflection. If additional credit is needed, you may write a Life Experience Essay.

Professional Training

There are three types of professional training:

1. Courses at Nationally accredited institutions
2. Military Training assessed by American Council of Education (ACE)
3. Corporate workshops and training

Professional training encompasses learning experiences for which all three of the following conditions apply:

- An instructional aspect within a classroom or online environment
- College-level content
- No duplication of courses taken before or after entering Becker College to fulfill credit requirements

Training must be documented by providing official confirmation of the length (hours, days, or weeks), content, and completion of the training. Documentation can be in the form of a certificate or letter from the student’s supervisor or Human Resource personnel. Training documentation should be submitted to the academic advisor, who will review the documentation and make recommendations to you detailing the opportunity to earn college credits. In general, training and corporate workshops are evaluated as follows:
30 classroom hours = 1 credit  
45 lab hours = 1 credit  
1 day = 7 hours, unless verified otherwise  
1 CEU* = 10 contact hours  

*In some professions, 1 CEU = 1 contact hour (i.e. nursing)

In order to receive college credits for professional training, you are required to write an autobiography addressing what you learned from the training and how you use the training in your professional/personal life.

**Bachelor of Science in Criminal Justice**

Students who select the baccalaureate program in criminal justice will profit from a curriculum which is balanced among the broad areas of study represented by criminal justice, the social sciences, general education courses, and elective courses.

In general, the program seeks to enhance critical thinking abilities, communication skills and the ability to conceptualize complex problems. Advanced courses help the student to process and apply information reliably while developing skills in research methodology. Understanding the history, philosophy and organization of the agencies of criminal justice, together with an opportunity for practical experience in one or more of them, is a further goal of the program.

<table>
<thead>
<tr>
<th>Group One Requirements</th>
<th>Credit Hours</th>
<th>Group Two Requirements</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>JUST1100 Criminal Justice System &amp; Process</td>
<td>3</td>
<td>JUST2202 Crisis Intervention in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>JUST1101 Homeland, Private &amp; Public Security</td>
<td>3</td>
<td>JUST2203 Corrections, Systems &amp; Process</td>
<td>3</td>
</tr>
<tr>
<td>JUST1105 Juvenile Justice System &amp; Process</td>
<td>3</td>
<td>JUST2207 Police &amp; the Community</td>
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<td>GOVT1109 State &amp; Local Government</td>
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<td>JUST2209 Probation &amp; Parole</td>
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<tr>
<td>LGLS2102 Criminal Law</td>
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<td>SOCI2001 Criminology</td>
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<tr>
<td>PSYC1001 Introduction to Psychology</td>
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<td>SOCI1001 Introduction to Sociology</td>
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<td>GOVT1108 American Government</td>
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<td>ENGL1001 English Composition I</td>
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<td>MATH1200 College Algebra</td>
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<tr>
<td>ENGL1003 Writing About Literature</td>
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<tr>
<td>INFO1001 Technology &amp; Society</td>
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Criminal Justice Elective  
Open Elective  

Becker College Course Catalog 2015 - 2016
### Group Three Requirements

<table>
<thead>
<tr>
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<th>Credit</th>
<th>Hours</th>
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<tr>
<td>JUST2204</td>
<td>Victimology &amp; Victim Services</td>
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<tr>
<td>JUST3001</td>
<td>Police Administration &amp; Management</td>
<td>3</td>
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<tr>
<td>JUST3200</td>
<td>Criminal Procedure &amp; Evidence</td>
<td>3</td>
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<tr>
<td>JUST3900</td>
<td>Criminal Justice Internship OR English Elective</td>
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</tr>
<tr>
<td>LGLS3200</td>
<td>Topics in Law &amp; Society</td>
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<td></td>
</tr>
<tr>
<td>MATH2200</td>
<td>Statistics</td>
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<tr>
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<td>Criminal Justice Elective</td>
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<tr>
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<td>Science Elective w/Lab</td>
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**Total Credits: 123**

### Bachelor of Arts in Global Citizenship

The Bachelor of Arts in Global Citizenship at Becker College responds to students’ sense of urgency to live the Becker mission and core values of community, diversity, and social responsibility. This degree is distinguished from majors in global studies or international relations found at other American colleges and universities. The Becker degree reflects a shift towards issues of social justice and human rights and provides a more engaged role for students as they adapt their scholarship to real-life applications. Graduates will fulfill a growing demand for globally competent and cross-culturally trained employees.

### Group One Requirements

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>HUMN2103</td>
<td>Global Citizenship &amp; Community Engagement</td>
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<tr>
<td>HUMN2107</td>
<td>America &amp; the Contemporary World</td>
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<td>PSYC1001</td>
<td>Introduction to Psychology</td>
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<td>MATH1200</td>
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<td>INFO1001</td>
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### Group Two Requirements

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<tr>
<td>HUMN3901</td>
<td>Global Citizenship Internship (1st Setting)</td>
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<tr>
<td>SOCI2100</td>
<td>Women of the World: Health, Social Challenges &amp; Solutions</td>
<td>3</td>
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<td>SOCI2400</td>
<td>Social Problems</td>
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<td>PSYC2110</td>
<td>Cultural Competence for Human Service Workers OR Social Psychology</td>
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<td>PSYC2105</td>
<td>Introduction to Project Management</td>
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<td>ENGL2003</td>
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<td>Group Four Requirements</td>
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<td>HUMN3100 Intercultural Communication</td>
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<td>HUMN2200 Cultural Anthropology</td>
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<td>HUMN3130 Globalization &amp; Social Justice</td>
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<td>HUMN3110 Voices of the World I: Global Cultures</td>
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<td>HUMN3901 Global Citizenship Internship (2nd Setting)</td>
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<td>HUMN3120 Voices of the World II: The American Immigrant Experience</td>
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<tr>
<td>HUMN4100 Action Research</td>
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<td>HUMN4500 Global Citizenship Capstone Seminar I</td>
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<tr>
<td>SOCI3600 Global Poverty &amp; Economic Inequality</td>
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<td>HUMN4501 Global Citizenship Capstone Seminar II</td>
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<tr>
<td>SOCI3110 Human Geography</td>
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<td>LGLS3292 Conflict Resolution</td>
<td>3</td>
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<tr>
<td>PHIL3001 Ethics OR</td>
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<td>Program Elective</td>
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<tr>
<td>MGMT3705 Business Ethics &amp; Social Responsibility</td>
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<td>Program Elective</td>
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<tr>
<td>MGMT3706 History Elective</td>
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<td>Health Elective</td>
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<tr>
<td>MGMT3707 Open Elective</td>
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<tr>
<td>MGMT3712 Open Elective</td>
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</table>

Total Credits: 122

Each student must complete a specialization by choosing a minimum of four courses from the desired specialization area.

**Global Health & Development**
- SOCI2100 Women of the World: Health, Social Challenges & Solutions
- IDHE1103 Essentials of Health Assessment & Promotion
- IDHE3200 Technology & Healthcare Informatics
- IDHE4404 Health Promotion & Disease Prevention
- IDHE4402 Social Policy & Healthcare Leadership
- VTSC30UG Special Topics Course: One Health

**Global Political Economy**
- ECON2001 Microeconomics
- ECON2002 Macroeconomics
- MGMT3300 Contemporary Economics
- MGMT3105 Global Marketing
- GOVT3001 Political Theory
- MGMT3890 Managing Diversity in the Changing Workplace
- MGMT3800 Managing in the Global Economy
- MGMT4400 Current Issues in Strategic Planning

**Management**
- MGMT1805 Introduction to Project Management
- MGMT2805 Project Planning & Control
- MGMT3205 Organizational Behavior
- MGMT3890 Managing Diversity in the Changing Workplace
- MGMT3800 Managing in the Global Economy
- MGMT4400 Current Issues in Strategic Planning

**Education**
- PSYC1002 Developmental Child Psychology
- EDUC2207 Health & Safety of Young Children
- EDUC2405 Observing, Documenting & Assessing Young Children
- EDUC2700 Teaching English Language Learners
- PSYC2806 Educational Psychology
**Bachelor of Science in Nursing (RN to BSN)**

The RN to BSN program is a bachelor degree completion program that provides a well-delineated and broad knowledge base for contemporary nursing practice and graduate study in nursing. The curriculum is designed to focus on the synthesis and application of knowledge and research from nursing, social and natural sciences, and the humanities.

During the course of study, students will apply knowledge and skills in a variety of clinical settings. The inclusion of nursing elective courses allows the student to increase their understanding of multiple nursing practice areas. The program is offered in a format which allows students to work full-time if desired. Admission to this program requires a valid Massachusetts RN license.

The RN to BSN program is accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN).

**Contact Information:**

Accreditation Commission for Education in Nursing, Inc. (ACEN)
3343 Peachtree Road, NE, Suite 850
Atlanta, GA 30326
404-975-5000
http://www.acenursing.org/

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Hours</th>
<th>Semester 4</th>
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<tbody>
<tr>
<td>NURS3001 Philosophical &amp; Theoretical Foundations of Nursing Practice</td>
<td>3</td>
<td>NURS4001 Nursing in a Global Society</td>
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<tr>
<td>NURS3002 Complementary Alternative Modalities</td>
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<td>NURS4002 Community Health Nursing</td>
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<tr>
<td>Group A general Education Course</td>
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<td>Group B General Education Course Elective (Nursing)*</td>
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<td>Group A General Education Course</td>
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<td>NURS Elective (Nursing)*</td>
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<tr>
<th>Semester 2</th>
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<th>Semester 5</th>
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<tbody>
<tr>
<td>NURS3101 Health &amp; Physical Assessment of Individuals and Families (Lab component)</td>
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<td>NURS4101 Professional Nursing Seminar</td>
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<tr>
<td>NURS3003 Pharmacokinetics in Nursing Practice</td>
<td>3</td>
<td>NURS4003 Leadership in Nursing</td>
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<td>NURS Elective (Nursing)*</td>
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### Semester 3

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<tr>
<td>NURS3100</td>
<td>Research in Nursing</td>
<td>3</td>
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<tr>
<td>NURS3102</td>
<td>Business in Nursing</td>
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**Total Credits for Assoc. Degree:** 69  
**Total Credits for RN-BSN:** 58  
**Total Credits for Degree:** 127

*Nursing Electives*

- NURS3200 – Technology and Nursing Informatics
- NURS4401 – Holistic Nursing Practice: Techniques and Application
- NURS4402 – Nursing Leadership and Politics
- NURS4403 – Professional Nurse as Educator
- NURS4404 – Health Promotion and Disease Prevention

### Group A RN to BSN Curriculum General Education Courses

- Global Awareness and Diversity course, 3 credits
- MATH2200 Statistics, 3 credits (Recommended first semester)
- PHIL3300 Medical Ethics, 3 credits
- INFO1001 Technology and Society, 3 credits*

All Group A RN to BSN curriculum general education courses must be successfully completed prior to the start of Semester 3. **MATH2200: Statistics** must be successfully completed with a grade of C or higher prior to the start of Semester 3. Students will not be allowed to enroll into Semester 3 until this requirement has been satisfied.

INFO1001 Technology and Society is a required Becker College course and students have to complete this course requirement in order to be eligible to receive a baccalaureate in nursing degree from Becker College. Transfer credits for this course must be approved by the Nursing Program Director.

*If INFO1001 Technology and Society was taken as part of the ASN curriculum, this RN to BSN curriculum course requirement will be replaced with a 3 credit open elective course.

### Group B RN to BSN Curriculum General Education Courses

- History course, 3 credit
- ENGL2003: Public Speaking, 3 credits
- Humanities Elective, 3 credits
To be eligible for graduation, all Group B RN to BSN curriculum general education courses must be successfully completed.

Students must take the pre and corequisite courses according to the published curriculum plan.

To be eligible for graduation, all Group B RN to BSN curriculum general education courses must be successfully completed. Students must take the pre and co-requisite courses according to the published curriculum plan. RN to BSN students must pass all nursing courses with a minimum of a C+ (77) or above. All non-nursing general education courses require a minimum of a C pass grade. Students are allowed to repeat only ONE nursing course. General education courses may be repeated for a maximum of two times.

**Admission Requirements**

Students seeking admission to the RN to BSN program must have:

- Completion of an Associate Degree in Nursing Science (ASN) degree at Becker College or a regionally accredited institution of higher education (e.g. NEASC) within the last 7 years. (Diploma prepared RNs who have graduated from an accredited institution but who do not possess an ASN degree will have their academic credits evaluated and be given a plan of study and must have evidence of nursing practice for the last three years.

- A 2.0 CGPA from Accreditation Commission for Education in Nursing, Inc. (ACEN) accredited prelicensure registered nurse preparation (ASN or Diploma) program.

- A current Massachusetts registered nursing license, or successful completion of the MA National Council Licensing Examination (NCLEX-RN) if a recent graduate from a registered nursing program.

For additional Clinical and Physical/Health Requirements, please refer to the Additional Requirements on page 26 under the Admissions portion of the catalog.
Certificate Programs

Certificate in Applied Behavior Analysis
This certificate is designed to prepare students for a career in the field of Applied Behavior Analysis.

Successful completion of PSYC1001 Introduction to Psychology is required before completing this course sequence.

<table>
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<tr>
<th>Course Code</th>
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<th>Course Code</th>
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<td>PSYC2705</td>
<td>Concepts &amp; Principles in Applied Behavior Analysis</td>
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<td>PSYC1013</td>
<td>Practicum in Applied Behavior Analysis (1)</td>
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<td>PSYC2710</td>
<td>Assessment and Measurement in Behavior Analysis</td>
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<td>PSYC2013</td>
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<td>Beginning Strategies for Changing Behavior</td>
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<td>PSYC3013</td>
<td>Practicum in Applied Behavior Analysis (3)</td>
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<td>PSYC3710</td>
<td>Advanced Strategies for Changing Behavior</td>
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Total Credits: 30

Certificate in Alcoholism/Drug Abuse Counseling
The alcoholism/drug abuse counseling certificate gives students the option to work as an addiction counselor in many types of treatment settings, including detoxification, residential programs, and outpatient programs. This certificate meets the MBSACC (Massachusetts Board of Substance Abuse Counselor Certification) educational requirements for the CADAC Level certification. Work experience is still needed.

<table>
<thead>
<tr>
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<th>Course Title</th>
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<th>Course Title</th>
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<tr>
<td>PSYC1001</td>
<td>Introduction to Psychology</td>
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<td>PSYC2303</td>
<td>Psychopharmacology for Counselors</td>
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<td>EXSC3205</td>
<td>Drugs &amp; Society</td>
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<td>PSYC3301</td>
<td>The 12 Core Functions of the Substance Abuse Counselor</td>
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<tr>
<td>PSYC3300</td>
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<td>PSYC4903</td>
<td>Practicum in Addictions Counseling (300 Hours Supervised)</td>
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Total Credits: 21
Certificate in Human Resource Management

This program will provide students with entry-level knowledge for a career in the field of human resource management, and prepare students for analysis and examination of the human resource management function in organizations.

This program is designed to prepare students for a career in human resource management. By completing the certificate in human resource management, students will gain a greater understanding of management, organizational behavior, compensation, and benefits.

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>MGMT2200</td>
<td>Principles of Management &amp; Leadership</td>
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<td>MGMT3400</td>
<td>Human Resource Management</td>
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<tr>
<td>MGMT3205</td>
<td>Organizational Behavior</td>
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<td>MGMT4201</td>
<td>Compensation &amp; Benefits</td>
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Total Credits: 12

Certificate in Project Management (Online Only)

Becker College’s Certificate in Project Management provides the student with the knowledge and skills required to successfully initiate, plan, execute, control and bring projects to a successful conclusion. The five courses encompass critical knowledge areas in project management to provide the student with the tools necessary to succeed strategically in today’s increasingly competitive environment. The Becker College certificate program is differentiated from other programs in that it covers elements of human behavior, such as influence and decision making, which are skills that are essential for project managers to be successful.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
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<td>Introduction to Project Management</td>
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<td>MGMT3806</td>
<td>Influence, Decision Making &amp; Problem Solving in Project Management</td>
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<tr>
<td>MGMT2805</td>
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<tr>
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<td>Project Team Management</td>
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Total Credits: 15
Certificate in Terrorism Studies (Online Only)

The Becker College terrorism studies course fills the critical knowledge gap, enabling participants and organizations to prepare to meet the counter terrorism challenges and risks of evolving anti-terrorist techniques and counter the terrorist threat.

Knowing how and why terrorists are radicalized and plot against civilians, governments, corporations, commercial operations, transport or IT networks makes an unmistakable difference to a nation or organization in terms of anti-terrorist and security strategies. The knowledge students will gain from this unique terrorism certificate will prove invaluable in countering the ever present threat to security.

<table>
<thead>
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<td>History of Modern Terrorism</td>
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<tr>
<td>JUST2801</td>
<td>Key Issues in International Terrorism</td>
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<td>JUST2802</td>
<td>Terror Group Aims, Motivations &amp; Beliefs</td>
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<td>JUST3801</td>
<td>Terrorist Modus Operandi</td>
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<td>JUST3802</td>
<td>Future &amp; Emerging Trends in Terrorism</td>
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</tr>
<tr>
<td>JUST3803</td>
<td>Cyberterrorism</td>
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</tbody>
</table>

Total Credits: 18

Certificate in Writing for Screen & Digital Media (Online Only)

This intensive online multimedia program is intended for aspiring creative writers who are interested in the art of screenwriting for film, television and digital media. The program welcomes anyone who is interested in screenwriting, but some experience in creative writing is helpful. The program serves as an introduction to the world of screenwriting and will cover screenplay format, understanding story and characters, creating loglines (one sentence summary of the script) and a beat sheet (a list of sequential storyline "beats" used to break a script down to its most basic form). Upon completion of the two required writing courses, each student should have finished a first draft of their screenplay.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL2604</td>
<td>Screenwriting Basics I</td>
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</tr>
<tr>
<td>ENGL2605</td>
<td>Screenwriting Basics II</td>
<td>3</td>
</tr>
<tr>
<td>MGMT2606</td>
<td>The Business of Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>ENGL2605</td>
<td>Writing for Animation OR</td>
<td>3</td>
</tr>
<tr>
<td>ENGL3604</td>
<td>Writing for Digital Media</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 12
Women’s Emerging Leadership Institute

The Women’s Emergent Leadership Institute (WELI) at Becker College is a six-credit, year-long course. Participants meet one weekend per month, 9 a.m.-5 p.m., from September 2015 through May 2016, on Becker College’s Worcester Campus. Participants meet in Emergent Leadership (EL) Circles for part of the class time to discuss the readings, engage in small group activities, plan and implement a leadership project, and form community.

The nine-module program includes readings and discussion, guest speakers, a TED Talks Playlist (12 talks on how to be a great leader), reflective and critical writing, and a cross-cultural service learning experience in leadership. Participants are required to present a final leadership project integrating theory and practice emphasizing the tenets of social business and providing practical solutions to a problem. A certificate will be awarded to those who successfully complete the program.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>MGMT2710</td>
<td>Women’s Leadership: Concepts and Competencies</td>
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<tr>
<td>MGMT2712</td>
<td>Women’s Leadership: Opportunities and Challenges</td>
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</table>

Total Credits: 6
Division of Graduate Studies

Becker College’s Division of Graduate Studies offers a Master of Arts in Mental Health Counseling degree. Courses are offered in a seven week format during the summers and a traditional 15 week format during the fall and spring semesters. The program offers a mix of classroom based courses and hybrid courses, which combine classroom based and online instruction. Classroom based courses meet on the Leicester campus and are typically scheduled in the late afternoons and evenings.

Admissions

Admissions Process and Deadline

Our approach to the admissions process is holistic; we consider all that each applicant has to offer, rather than making decisions based on any single factor. The Graduate Admissions Committee begins reviewing completed applications February 1st. Applications are considered complete when the online application has been completed and submitted, and all required supporting documentation has been received.

Qualified applicants are invited for interviews. Notifications of acceptance to the program are sent out on a rolling basis, contingent on space availability within the program. The Master of Arts in Mental Health Counseling program is a small, selective program and enrollment will be limited.

Admissions requirements include the following:

- Completion of the online application
- Official college transcript showing completion of a Bachelor’s degree (or anticipated completion of a Bachelor’s degree by June 1st of the enrollment year)
- Official Graduate Record Examination (GRE) General Test scores
- Three letters of recommendation
- Essay (see online application for details)

Applicants are expected to have taken at least five undergraduate courses in Psychology with an earned grade of “C” or better. Preference will be given to students who have taken:

- General (Introductory) Psychology
- Abnormal Psychology
- Two semesters of Research Methods and/or Statistics

In addition to these courses, preference will be given to students who have completed at least two of the following courses:

- Experimental Psychology
- Biological Bases of Behavior/Physiological Psychology
- Two semesters of a science with a lab
Transfer Credits

Students wishing to transfer graduate credits earned at another institution will need to petition the Graduate Admissions Committee by submitting the syllabus for each potential transfer course and by submitting an official transcript documenting a grade of B or better in each course. Determination of transferability will be wholly at the discretion of the Graduate Admissions Committee. Students may transfer up to 12 graduate credits with approval by the Graduate Admissions Committee. The life expectancy of transfer credits is 10 years.

Students wishing to transfer from the Becker College Mental Health Counseling Program may request copies of course syllabi and an official transcript from the Becker College Registrar. Administrative fees will apply. Courses in the Becker College Mental Health Counseling program are designed to reflect CACREP standards and are thus expected to be fully transferrable to similarly accredited programs of study.

Additional Requirements

All applicants for admission or transfer into the Becker College Master of Arts in Mental Health Counseling program must meet the following requirement:

- CORI and SORI Check

In view of the licensure eligibility requirements for Massachusetts, all students in the Becker College Master of Arts in Mental Health Counseling program must submit a Criminal Offenders Record Investigation (CORI) and Sex Offender Registry Information Act (SORI) check upon enrollment in the program. The CORI and SORI may be repeated annually throughout a student’s enrollment in the program. Internship sites may require a submission of a separate CORI and/or SORI check upon acceptance to an internship program.

- Medical/Health Requirements

Internship sites and other clinical facilities may stipulate additional requirements for which medical documentation must be provided.

The Federal Center for Disease Control and the Massachusetts Department of Public Health define college health and immunization requirements. Students are not eligible for participation in counseling practicum, internship, or any course that include clinical practice without documentation of required health and immunization requirements (see below). The Student Health Record must be completed and submitted to Student Health Services prior to enrollment in these courses. Graduate students will not obtain clearance for classes, practicum or internship if the Student Health Record has not been completed and submitted.

- Massachusetts State Law requires that all health science students have a completed health form on file in the Student Health Office prior to the start of classes. The Student Health Record form may be downloaded from the Becker College Student Health Services website: http://www.becker.edu/student-life/health-wellness/student-health-services/health-forms

Documentation of immunizations is required. A tuberculosis evaluation in the form of PPD skin testing is also required.
• Any change in medical/health status must be reported to Student Health Services. Medical documentation must be provided that clearly identifies student limitations/restrictions and their ability to participate in all program activities. Examples of change in health status may include but is not limited to: any physical injury that requires splint/brace/cast/sling, major illness, psychiatric instability, communicable disease, and pregnancy/delivery. Please notify Student Health Services for an individual consultation.

• Significant changes in health status may affect the student’s ability to perform clinical functions. If determined that student or patient safety may be compromised, the student will be excluded from the clinical practicum and internship sites until cleared by their health care provider. Clinical agencies will be consulted, as needed, to determine if the student can participate in clinical assignments. The inability to participate in clinical assignments may delay completion of specific courses and/or the Master of Arts in Mental Health Counseling degree.

Documents may be faxed to Student Health Services at 508-892-9917 or scanned and emailed to nurse@becker.edu.

Students are required to maintain his/her own copy of the Student Health Record and other requirements for their portfolio. Clinical sites may require proof of student health and immunization status.

If at any time the graduate program faculty determines that a student’s physical or mental ability may interfere with safe clinical performance, the student will not be allowed to remain in the clinical practice area. The program coordinator will be notified and the future status of the student will be administratively determined.
Office of Administrative Services  
(Offices of Financial Aid, Student Accounts, Registrar)

Graduate Program Expenses

Tuition (per credit charge).................................................................$610
Comprehensive Fee (charged in Fall and Spring only).....................$250
Health Insurance..............................................................................$1,900
A comprehensive list of charges can be found online.

Financial Policies
The tuition, fees and other charges described are good faith projections for the academic year. They are, however, subject to change from one academic year to the next as deemed necessary by the College in order to meet its financial commitments and to fulfill its role and mission.

Application Fee
There is no application fee required with the completed application for admission.

Graduate Program Grants and Assistantships

Clements Grant
The Clements Grant is awarded to select Becker College graduate students for academic merit. The award was established in honor of Nancy Clements, MA, CCC-SLP, founder of the Social Thinking® Boston clinic. Beginning with the undergraduate Social Thinking® course she taught in 2013, Nancy’s insights and contributions have been instrumental in the development of the specialty tracks within the Becker College Master of Arts in Mental Health Counseling program, as well as the clinical practicum and internship opportunities for Becker students.

The eligibility requirements for the Clements Grant are listed below, as well as the renewal criteria for the following Financial Aid Year.

Eligibility and Renewal Requirements:
- Students must be enrolled in the recommended course load for each term (fall and spring). Approved transfer credits may be used to replace recommended course load credits.
- Students must obtain a passing grade in all classes.
- Students must maintain a GPA of 3.0 each Financial Aid Year.
- Students must complete 60 credits within the 2 year program. This may include up to 12 approved transfer credits.
- All financial obligations to Becker College must be paid in full before the start of the next Financial Aid Year.
- Students must not have any Becker College Code of Conduct Violations

Graduate students are eligible to receive the following amounts each year:
- 2015-2016: $4,000
- 2016-2017: $4,000
Graduate Student Assistantships:
Assistantships for graduate students may be available in the areas of teaching, academic coaching, social coaching, student affairs or community outreach. Assistantships are typically available for 10-20 hours per week and may be renewable each semester. Compensation ranges from $2,400 to $4,800 per semester. Students interested in obtaining an assistantship must complete a Graduate Assistantship application and submit it to Dr. Kerri Augusto, Professor of Psychology (kerri.augusto@becker.edu). The application can be found on the Becker College Graduate Student Financial Aid website (http://www.becker.edu/admissions/financial-aid/graduate-students).

Graduate Plus Loans

Graduate and Professional degree students are now eligible to borrow Graduate PLUS Loans under the William D. Ford Direct Loan Program. Students may borrow up to the cost of attendance minus other financial aid. This loan for the 2015-2016 academic year has a fixed interest rate of 6.84%. There is a 4.292% origination fee for loans disbursed between 10/1/14 and 09/30/15. Loans disbursed on or after 10/1/15 will have a 4.272% origination fee.

The repayment period for a Direct Grad PLUS borrower begins on the date of the final disbursement of the loan and the first payment is due within 60 days of the final disbursement of that loan. The Grad PLUS borrower may apply for an in-school deferment by submitting an In-School Deferment Request to the Direct Loan Servicing Center. Loan funds are disbursed directly to Becker College in equal amounts over each term of enrollment for the academic year.

Satisfactory Academic Progress

Graduate students at Becker College must maintain a 3.0 cumulative GPA and successfully complete 75% of the credits they attempt.

- Full-time student: 9 credits per semester
- Three-quarter-time student: 7 credits per semester
- Half-time student: 6 credits per semester

The complete academic progress policy is included with each financial aid award letter.

SAP Review

- SAP is reviewed at the conclusion of each semester (e.g., fall, spring, summer).
- Possible SAP Statuses
  - SAP Met. All components of SAP are met; the student continues to be eligible for federal student aid.
  - Warning. If the student fails to meet any one of the required SAP components, the student will be placed on Financial Aid Warning for one semester. The student continues to be eligible for federal student aid.
  - Ineligible. The student fails to meet SAP requirements after the Warning semester, the student is no longer eligible to receive federal student aid.
  - Probation. A student whose SAP status is Ineligible may appeal for reinstatement of federal student aid eligibility. If an appeal is approved, the student is placed on probation for one semester. Limitations: A student may only be on probation for two consecutive terms; and four terms overall.
Appeal Process

- Acceptable Circumstances
  - Personal injury or illness
  - Family injury, illness or other emergency
  - Death of close relative
  - Other extenuating circumstances.

- Required Documentation.
  - SAP Appeal Form. Students must complete SAP Appeal Form, attach required documentation and have the form signed by an Academic Advisor.
  - Letter from Student. Letter must include explanation of why student failed to make SAP, how the circumstances that led to failure to make SAP have changed so as to allow the student to make SAP according to the required academic plan. Students are encouraged to provide documentation supporting extenuating circumstances specified in their letter.
  - Academic Plan. Academic Advisor and student must devise an academic plan that provides a roadmap for the student to make SAP within two consecutive semesters.

- Submission Deadline
  - SAP Appeal requests must be submitted at least a week prior to the first week of classes of the term for which a student has been deemed ineligible.

- Appeal Decisions
  - SAP Appeal Committee will review all requests for reinstatement. The committee decision will be rendered within one week of receipt of all required documents.
    - Approved. Upon the basis of the academic plan, the committee decides to reinstate financial aid for one semester (probation).
    - Denied. The committee decides not to reinstate the student’s federal, state and institutional financial aid. The student is obligated to make alternative payment arrangements. If the student meets SAP requirements in a future term, aid can be reinstated.

- Notification
  - SAP Appeal Committee decisions will be communicated to the student in a letter.

Common Situations Affecting SAP Status

- Incompletes, Failing Grades, Withdrawals. Reduce the student’s rate of progress because these grades count as attempted, but are not included as earned credits. These credits are also included toward the maximum credits allowed.
- Pass/Fail Courses. Count as attempted credits and are included toward maximum allowed credits.
- Repeated Courses. Count as attempted credits, but only once are they counted as earned credits. Each repeat is included toward the maximum allowed credits.
- Transfer Credits. All transfer credits accepted at the College are counted as both attempted and earned and are included toward the maximum allowed credits.

For the most recent information on Becker College’s SAP policy, please refer to our website at http://www.becker.edu/admissions/financial-aid/tools-and-policies/satisfactory-academic-progress
Bachelor of Arts to Master of Arts Degree Option

Becker College offers a B.A. to M.A. program option for undergraduates to enroll while completing their undergraduate degree. To be accepted to this option, the following conditions apply:

- The student must have a minimum cumulative GPA of 3.3 or higher at the time the baccalaureate degree is conferred in order to maintain eligibility for this option.

- The student must apply for, and receive his/her baccalaureate degree before matriculating into the graduate program.

- Once accepted, a student is expected to begin his/her graduate studies in the semester immediately following conferral of the baccalaureate degree unless the student submits a written request for deferral and receives a written notice of agreement to defer. Deferments will be granted for no longer than one semester from the date of acceptance. (For example, if accepted for the Summer I of 2016, an individual can only defer to Summer II of 2016). Any applicant accepted to the B.A. to M.A. Degree Option who opts not to enroll in at least one course within the graduate department to which they have been accepted in the semester immediately following conferral of the bachelor’s degree and who does not submit a deferral request forfeits his/her rights to benefits under this program. Should the student decide to begin his/her studies at a later time he/she will be required to take the GRE and have his/her application reassessed.

- Any graduate courses taken by a baccalaureate degree student that are credited toward the Master’s degree must have been obtained with a grade of B or better.

- ONLY courses of 5000-level or higher may count toward the Master’s degree.

- A maximum of 12 graduate credits (5000 or above) may be used for the Master’s degree. A maximum of up to 6 credit of graduate credits (5000 or above) may be used by a student in the B.A. to M.A. Degree Option for both the graduate and undergraduate degrees.

- Students must petition to have specific courses (5000-level or above) taken during their undergraduate career apply towards their graduate degree via an Academic Petition.

Students should consult with the program coordinator to determine if any undergraduate requirements are fulfilled by specific courses they take in the B.A. to M.A. option.

Admission to the Master of Arts in Mental Health Counseling program from the B.A. to M.A. degree option is not guaranteed, but is at the discretion of the Graduate Admissions Committee. The Committee reserves the right to request an interview. Applicants will be notified within 2 weeks of the Graduate Admissions Committee meeting of their acceptance or denied acceptance into the Master’s degree program.
Master of Arts in Mental Health Counseling Curriculum

The 60-credit Master of Arts degree curriculum is structured so that students can complete the program in as few as 24 months. An accelerated Bachelor’s to Master’s program affords Becker College undergraduate students an opportunity to gain conditional acceptance into the program as early as the summer before their senior year. Upon graduation, a successful completion of all B.A. to M.A. requirements, this accelerated student will be awarded unconditional acceptance into the graduate program, and will require 1.5 years to complete the Master of Arts degree curriculum.

The curriculum is organized across four terms:

- Summer 1 Term: 7 weeks
- Summer 2 Term: 7 weeks
- Fall Term: 15 weeks
- Spring Term: 15 weeks

Students have the option of beginning the program during Summer 1, and are expected to begin the program no later than the Summer 2 term. A cohort-model is followed, such that each class of students begins the program together and takes the majority of courses in the sequence together.

The program has three course levels:

Courses numbered 5000 to 5006 are considered entry-level courses. These courses stress the foundations of counseling theory and basic counseling skill development.

Courses numbered 5011 to 5017 are considered intermediate-level courses. These courses emphasize assessment, specialized skills and interventions, research methods, and specific populations of interest. At the intermediate level, students will choose to follow one of two tracks: School Consultation or Community Mental Health. Students in the School Consultation program will have opportunities to specialize in the theory and practice of Social Emotional Learning (SEL), including Social Thinking®, will develop expertise in social communication and executive functioning disorders and will aim to conduct research in these areas. Students in this track will be expected to complete an internship in a setting that emphasizes school-based interventions and/or Social Thinking®. Students in the Community Mental Health track will acquire expertise in the areas of dialectical behavior therapies and grant-writing. Students in this track will conduct research pertinent to the practice of community mental health and will complete an internship in a community-based setting that provides opportunities for supervised practice of dialectical behavior therapy.

Courses numbered 5020 and above are considered advanced-level courses. These courses emphasize advanced techniques in clinical counseling and application of counseling theory and practice in real-world settings.

All students in the program are required to successfully write and defend a research thesis or master’s counseling project, present at a colloquium, and sit for the Comprehensive Counselor Preparation Examination prior to conferring a Master of Arts degree in Mental Health Counseling. Students who do not complete the research thesis or master’s counseling project by the end of the scheduled term will receive an incomplete. If the requirements have not been completed prior to the start of the next Fall or Spring term, whichever comes first, the student will be required to register for the course again.

The course sequence for graduate students matriculating into the Master of Arts in Mental Health Counseling program in the 2015-2016 academic year as follows:
### Year 1

**Summer I - 2015* (May – June)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COUN5000</td>
<td>Fundamentals of Therapeutic Interaction</td>
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<tr>
<td>COUN5001</td>
<td>Human Growth &amp; Development in Counseling</td>
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*No classes in session

**Fall Semester (August - December)**

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<tbody>
<tr>
<td>COUN5002</td>
<td>Consultation Team</td>
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</tr>
<tr>
<td>COUN5004</td>
<td>Social Emotional Learning and Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>COUN5005</td>
<td>DBT Skills Group, Behavioral Analysis and Exposure Treatments</td>
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</tr>
<tr>
<td>COUN5006</td>
<td>Diagnosis &amp; Treatment Planning</td>
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**Spring Semester (January - May)**

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<tr>
<td>COUN5010</td>
<td>Counseling Practicum</td>
<td>3</td>
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<tr>
<td>COUN5011</td>
<td>Principles and Methods of Assessment</td>
<td>3</td>
</tr>
<tr>
<td>COUN5012</td>
<td>Co-occurring Disorders: Substance Abuse and Mental Illness</td>
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</tr>
<tr>
<td>COUN5013</td>
<td>Research in Mental Health Counseling</td>
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<tr>
<td>COUN5014</td>
<td>Program Planning and Proposal Writing</td>
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**Year 2

**Summer I - 2016 (May – June)**

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<td>COUN5003</td>
<td>Professional Orientation and Ethical Practice</td>
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<tr>
<td>COUN5013</td>
<td>Research in Mental Health Counseling</td>
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<tr>
<td>COUN5016</td>
<td>Group Approaches in Mental Health Counseling</td>
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<tr>
<td>COUN5017</td>
<td>Career Counseling and Development</td>
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**Summer II - 2016 (July – August)**

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<td>COUN5015</td>
<td>Social and Cultural Diversity</td>
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<tr>
<td>COUN5020</td>
<td>Assessment of Social Emotional Learning or Program Planning and Proposal Writing</td>
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<tr>
<td>COUN5014</td>
<td>Program Planning and Proposal Writing</td>
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<tr>
<td>Course Code</td>
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<tr>
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<tr>
<td>COUN5022</td>
<td>Advanced Topics in Social Emotional Learning and School Mental Health</td>
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<tr>
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<tr>
<td>COUN5023</td>
<td>Advanced Dialectical Behavioral Treatment Principles</td>
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<td>COUN5030</td>
<td>Counseling Internship I</td>
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<tr>
<td>COUN5051</td>
<td>Counseling Master's Project</td>
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<td></td>
<td>Total Credits: 60</td>
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</table>

Course Descriptions for the Graduate Program begin on page 328.
Undergraduate Course Descriptions

ACAD1001 First Year Experience 2 cr.
The focus of this course is on ways to support students during their transition to college-level learning and to enhance connections between and among students and faculty. Students address behaviors and attitudes that are most consistently identified with achieving success in college. Students who do not pass this class are required to retake it until a passing grade is earned.
Course offered: Fall.

ACCT1001 Financial Accounting 3 cr.
This course introduces the nature and purpose of accounting in our economy and its business organizations. The focus is on the fundamental steps in the accounting cycle using manual and computer applications. Upon completion, students will be able to read and interpret financial statements, apply basic principles and procedures for statement preparation, understand the nature of double-entry bookkeeping and accrual accounting, understand the nature and role of professional accounting standards, and most importantly, understand what the numbers mean. Financial accounting activities are concerned with the proper recording of financial data and the preparation of financial statements and reports (including the income statement, balance sheet, statement of owners’ equity, and cash flow statement) that provide information about the firm’s past performance and current financial position. As a result of the course, students will understand how financial statements are created and how statements are connected in providing an accurate picture of the financial health of the company. Students will be exposed to actual company financial statements.
Meets the requirements for Business elective. Course offered: Fall, Spring.

ACCT1002 Managerial Accounting 3 cr.
This course is designed to expose students to the theory and practice of selecting and analyzing managerial and financial accounting information for internal use by managers for decision-making, planning, directing, and controlling purposes. Unlike financial accounting, management accounting information is usually confidential and used by management, instead of being publicly reported; forward looking, instead of historical; and pragmatically computed, instead of complying with accounting standards. Model financial information will be used to demonstrate alternative management decision options. Prerequisite: ACCT1001.
Meets the requirements for Business elective. Course offered: Fall, Spring.

ACCT2004 Entrepreneurial Accounting 3 cr.
This course is designed for students who are doing a minor in business and meets the accounting requirements for students in the CIS and sports management concentrations. The course focuses on the business process to make financial statements relevant, emphasizing the relationship between business and accounting with a presentation of topics that emphasizes an explanation of accounting concepts based on balance sheet order. The course spotlights the risks, controls, ethics, and governance of a business including a comparison of Generally Accepted Accounting Standards and International Financial Reporting Standards. Case studies and models will be used to demonstrate applications in the business environment. Prerequisites: ENGL1001 or concurrent enrollment; MATH1200 or concurrent enrollment.
Meets the requirements for Business elective. Course offered: Fall.
ANSC1003 Animal Care Management 3 cr.
An introductory course offering the basic care of most companion animals. Emphasis is on feeding, breeding, health maintenance, and housing of various species (dogs, cats, ferrets, birds, fish, rodents, etc.).
Course offered: Fall

ANSC1005 Kennel Operation and Design 3 cr.
This is an introductory course to the operation and design of a professional kennel such as a private boarding facility, a public or private animal shelter, humane society or training facility. Emphasis is on animal handling, sanitation, disinfection, proper feeding, watering and housing and basic health and behavior issues. The student is exposed to many different types of operations and introduced to various career opportunities. Rotations in the Becker Veterinary Clinic kennels to learn and practice husbandry techniques are part of the laboratory requirements. Both lecture and laboratory consist of 2 hours each. Restriction: Animal Care and Laboratory Animal Management students only.
Course offered: Fall

ANSC1010 Animal Health Skills 3 cr.
This course introduces the student to more in-depth skills involving animal care and handling, concentrating on the dog and cat. Anatomy and physiology, diseases and conditions affecting these species and entry level skills such as first aid, intramuscular and subcutaneous injection techniques, obtaining vital signs, bandaging and splinting techniques and basic laboratory procedures are taught. Both lecture and laboratory, 2 hours per week. Husbandry rotations in the Becker Veterinary Clinic are required. Prerequisite ANSC1005 - Kennel Operation and Design.
Course offered: Spring.

ANSC1201 Introduction to Grooming 1 cr.
Acquaints students with the basic practical techniques for grooming dogs and cats. Students learn the foundations of brushing, bathing, nail trimming, dematting and how to handle and restrain animals being groomed.
Course offered: Spring.

ANSC1400 Introduction to Animal Science 3 cr.
An introduction to the broad field of animal science. The course develops a basic understanding of each of the major types of domestic animals, with particular attention to nutrition and reproduction.
Course offered: Spring.

ANSC1601 Introduction to Equine Handling and Management - see EQST1601 Foundation in Equine Care

ANSC2000 Introduction to Laboratory Animal Science 2 cr.
An introduction to the laboratory animal research environment, this course focuses on the fundamentals of applied anatomy and physiology, physical examination, animal husbandry, and identification in selected small animal laboratory species. Sentinel programs, equipment and regulatory topics are also covered. Basic nursing skills are introduced and reinforced in laboratories including animal restraint, dose calculations, hygiene, disinfectants and sterilization techniques. Prerequisites: ANSC1005, ANSC1010, BIOL1002 or concurrent. Usually offered in the fall. Restriction: Animal Care and Laboratory Animal Management students only.
Meets the requirement for Science elective for Biology. Course offered: Fall, Spring.
ANSC2200 Dog Obedience 2 cr.
Students learn the basic training of dogs by learning the practical application of dog teaching theories and training techniques. Hands-on sessions with dogs, plus general information about dog behavior, correcting problems, puppy prep school, human animal bonding, pet-owner counseling and assistance dogs. In addition to class time, students are required to spend a minimum of 45 minutes in daily independent work/exercise. Prerequisites: Sophomore status in the Animal Care program; ANSC1005, ANSC1010.
Course offered: Fall, Spring.

ANSC2201 Intermediate Grooming 2 cr.
A continuation of the introductory course, involving classroom instruction and laboratory experience focusing on trimming and clipping techniques and procedures. Attention is given to types and methods of grooming the various breeds. Prerequisites: Sophomore status in the Animal Care program; ANSC1005, ANSC1010, ANSC1201.
Course offered: Fall, Spring.

ANSC2202 Domestic Animal Behavior 3 cr.
A generalized overview of the fundamental principles of animal behavior, including patterns of behavior and the influence of structure, physiology, heredity, and experience on behavior. Prerequisite: ANSC1003 or ANSC1400.
Course offered: Spring.

ANSC2401 Animal Nutrition 3 cr.
An introduction to proper feeding practices for both large and small animals. Nutrients and their function, as well as feeds and their components are surveyed. The importance of balancing rations of many animal species are studied. Feeding practices for the various stages of life are also covered. Prerequisite: ANSC1400.
Meets the requirement for Science elective for Biology and Equine. Course offered: Fall.

ANSC2403 Equine Nutrition 3 cr.
A discussion of the nutritional needs of horses, including requirements for growth, work, and reproduction, as well as dietary formulation and management of horses with special needs. This includes a review of the digestive anatomy and physiology, discussion of nutrients and their functions, sources of these nutrients for equine diets, and formulation of diets specific to horses. Also included are ration balancing and evaluation of forage and feed quality, as well as the diseases associated with poor nutrition. Students are required to formulate a specific feeding regimen. Prerequisites: EQST1601 or BIOL1005/1006 or ANSC1400.
Meets the requirement for Science elective. Course offered: Spring.

ANSC2501 Animal Breeding 3 cr.
A demonstration of how to achieve the improvement of animals through the application of genetics. Breeding systems for the various classes of livestock and the use of accurate breeding records are stressed. Open to sophomore Animal Care students. Prerequisite: ANSC1003 or ANSC1400; and BIOL1001/BIOL1002 or BIOL1005/BIOL1006.
Meets the requirement for Science elective for Biology and Equine. Course offered: Spring.

ANSC2701 Equine Anatomy and Physiology 3 cr.
A discussion of the anatomy and physiology of the horse, concentrating on the musculoskeletal, gastrointestinal, cardiovascular and the respiratory systems, with an emphasis on the application of this
knowledge to improve care and management of the horse.

Meets the requirement for Science and Veterinary Science elective. Course offered: Fall.

ANSC2900 Externship Module I - 3 cr.
Students perform a minimum of 150 hours of work in an animal care facility of their choosing. With the assistance of the externship coordinator, students may select to work in kennels, animal shelters, grooming parlors, biomedical research facilities, zoos, marine aquariums or any other location where they will receive valuable experience in the care of animals. Upon completion, students will present the externship coordinator with an evaluation form detailing their performance along with a daily journal and a summary paper. Most students meet this requirement during the summer between their freshman and sophomore years. Prerequisites: ANSC1003, 1005, 1010, 1400 and BIOL1001; cumulative GPA 2.0.
Course offered: Fall, Spring.

ANSC3100 Animals in Society 3 cr.
This is a comprehensive study of the relationship of animals in society. Beginning with an overview of various ethical theories and positions, the changing and evolving role of animals in society dating back to the early domestication of dogs will be explored from both practical and ethical views. Topics such as the human-animal bond, biomedical research, exhibit animals, euthanasia, wildlife and its impact on ecosystems, the psychology of animal hoarding, the animal-human abuse link, and international animal welfare will be covered. Class discussion and case studies will be a vital part of the class structure. A C or better is required in prescribed programs. Prerequisites: Junior status and PSYC1001 OR SOC1001.
Meets the requirement for Psychology, Social Science, Veterinary Science elective. Course offered: Fall, Spring.

ANSC3301 The Human and Animal Bond 3 cr.
This is a multidisciplinary course in which the different relationships humans have with non-human animals, both locally and globally, will be explored. Societies around the world have different focuses regarding the benefits of animals as companions, work animals, and assistance animals. This course is designed to look at and discuss these differences. Prerequisites: BIOL1001 BIOL1002 or BIOL1005 BIOL1006 or BIOL2503 BIOL2504 and PSYC1001.
Meets the requirement for Psychology, Social Science, Veterinary Science elective. Course offered: Fall.

ANSC3401 Lab Animal Technical Methods I-4 cr.
This series of courses is designed to give the student a basic knowledge of the major species of animals used in biomedical research. Topics include genetics and breeding as they relate to laboratory animal colony management, proper maintenance of healthy and sterile lab environments, laboratory safety and quality assurance issues as well as advanced handling and technical diagnostic techniques. Common laboratory animal diseases, pharmacology, and surgical nursing techniques are presented as they apply to this population. Recognition of normal status as well as signs of abnormal through physical examination, lab values, and observation of behavior is covered. The first semester focuses on rats, mice, dogs, fish and non-human primates. The lecture consists of 3 hours per week and laboratory component is 2 hours per week. Some off-campus laboratory sessions may be required. Students are required to participate in regularly scheduled husbandry rotations with the program laboratory animals. Prerequisites: ANSC2000 or VTSC2000.
Course offered: Fall.
ANSC3402 Lab Animal Technical Methods II - 4 cr.
This is a continuation of ANSC3401 and concentrates on guinea pigs, cats, rabbits as well as hamsters, gerbils, and other non-traditional small research animals. Livestock species such as sheep, goats and pigs will also be covered. This course continues to focus on technical diagnostic techniques includes sample collection. In addition, advanced research methodologies will be examined, including studies and models for various protocols. Record keeping is emphasized as well as technical writing. The lecture consists of 3 hours per week and the laboratory component is 2 hours per week. Some off-campus laboratory sessions may be required. Students are again expected to participate in the regularly scheduled husbandry rotations with the program laboratory animals. Prerequisite: ANSC3401.
Course offered: Spring.

ANSC3503 Equine Reproduction and Breeding Management 3 cr.
This course deals specifically with the management of the business of breeding horses and the care needed for stallions at stud, brood mares, and foals. Topics include the estrus cycle as well as methods of controlling the cycle, the causes of infertility in both the stallion and mare, get an overview of artificial insemination, and the role of genetics in conformation. Prerequisites: EQST1601; ANSC2701; or BIOL1005, 1006 and VTCSC2201.
Meets the requirement for Equine Science, Veterinary Science elective. Course offered: Fall, Spring.

ANSC4700 The World of Research 3 cr.
This is a course that explores and discusses topics and issues that concern researchers and research facilities. The types of research being conducted, research protocols, Institutional Animal Care and Use Committee, regulatory inspections, public opinion, grant funding, and ethics and welfare are some of the areas covered. Whenever possible, guest lecturers who are experts in their field are utilized. Students are required to write and present a research proposal and a research report using mock data. Prerequisite: ANSC3402.
Meets the requirement for Science elective for Biology. Course offered: Spring.

ANSC4900 Externship Module IIa - 3 cr.
This course incorporates on-site training in a laboratory animal facility. The student is required to fulfill 200 hours at a site chosen with the externship coordinator. While at this site the student is expected to act in a professional manner as a representative of the College while she/he learns new skills and techniques. May be taken concurrently with ANSC4901 as long as the prerequisite requirements for that course are met. Prerequisite: ANSC3402.
Course offered: Fall, Spring.

ANSC4901 Externship Module IIb - 3 cr.
This course is a continuation of ANSC4900 and may be taken concurrently as long as the prerequisite requirement is met. An additional 200 hours of on-site training may be completed at the same site as ANSC4900 or a different site. Prerequisite: ANSC4900 (or concurrent).
Course offered: Fall, Spring.

ANTH3200 Cultural Anthropology 3 cr. – see HUMN2200 Cultural Anthropology

ARTS1002 Visual Design 3cr.
What makes a visual image exciting and memorable? How do you create visuals that communicate powerful messages to your audience? This introductory course covers the basic of contemporary visual thinking in the fields of graphic design and interior design. A combination of lectures and hands-on projects will increase the students awareness of "The How, the Why, and the Process" involved in the
creating of different types of communication projects across many mediums.

Meets the requirement for Art elective. Course offered: Fall.

ARTS1003 Art History I 3 cr.
This course is the first half of the history of art, from prehistoric times through the Middle Ages. The key masterpieces in sculpture, painting, and architecture of the major styles are presented in color slides. Works are studied for their structure, beauty, and meaning. The evolution of each style from society or from the artist’s personality is analyzed. Field trips to the Worcester Art Museum will greatly enhance the students' learning.

Meets the requirement for Art, Game Design and Humanities elective. Course offered: Fall.

ARTS1004 Art History II 3 cr.
This course is the continuation of a survey of the history of art, from the Renaissance to the present. Masterpieces in art and architecture are presented in color slides. Field trips to the Worcester Art Museum will help the student see that which is explained in the text and in class.

Meets the requirement for Art, Game Design and Humanities elective. Course offered: Spring.

ARTS1100 Principles of Drawing 3 cr.
Principles of Drawing is an introductory studio course that teaches students the basics of drawing. This course will focus on a wide range of drawing exercises using a variety of drawing tools. Students will work in black and white and color, drawing from still life and photographs. They will develop their own sense of composition, and discover the illusion of three dimensions by using shading and perspective. Students will develop the skills of hands-on observational drawing as well as create constructive concepts that deal with simple volumes in space.

Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.

ARTS1201 Drawing Studio: Systems and Techniques 3 cr.
This course provides a survey of the major systems of linear expression. Through group projects in class and homework, students experiment with drawing styles. Each style will be examined through stylistic origin and historic context through research, application and discussion. The students will be encouraged to explore different styles, focusing on one that appeals to their sensibilities.

Meets the requirement for Art and Game Design elective. Course offered: Spring.

ARTS1202 Painting Studio 3 cr.
Through twelve projects in acrylic paints, students will explore their own sense of beauty and visual expression. Some projects concentrate on pure visual structure, some on emotional expression, and some on image making (landscapes, faces, still life). Realism and "drawing ability" are irrelevant, and students can enter the course at any level, from beginner to advanced.

Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.

ARTS1301 Principles of Design 3 cr.
Design is the underlying discipline of creating visual expression. The knowledge of how to use design elements (shape, form, balance, rhythm, texture, color and pattern) and an understanding of the proportions which balance them are a means of developing the students’ eyes for design. Emphasis will be focused on developing creative visual problem solving skills and gaining insight for design.

Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.
ARTS1401 3D Design 3 cr.
The course focuses on developing the student’s ability to think in terms of space, volume, mass, and three-dimensional form.
Meets the requirement for Art elective. Course offered: Spring.

ARTS1801 Printmaking 3 cr.
This is an introductory course in which students will learn the basic methods of Monotype and Relief printmaking. The course will cover a variety of materials and techniques through demonstration and hands-on time in the studio, including observation of print examples with discussion of assigned readings. The emphasis is on learning and developing basic techniques which will result in the production of limited edition prints.
Meets the requirement for Art and Game Design elective. Course offered: Spring.

ARTS2003 Contemporary Art History: Art and Artists of the Digital Age 3 cr.
This course is a survey of contemporary art and artists. Beginning with the end of Modernism, this course will investigate the Postmodern concepts that have dominated the art world for the past 50 years. Artists such as Nam June Paik, Peter Campus, Cindy Sherman, Bruce Nauman, Bill Viola, Chuck Close, Jenny Holzer, William Wegman, the Art Guys and Gretchen Bender are some of the contemporary artists that are using technology like their predecessors used a paintbrush. This course will not only examine works by these artists but how they incorporate technology with artistic concept and practice. Prerequisite: One of the following ARTS1003, ARTS1004 or HUMN1001.
Meets the requirement for Art, Game Design and Humanities elective. Course offered: Spring.

ARTS2100 Drawing II 3 cr. (Game Design students who need to meet this requirement should take GAME3150 Level Design)
This course is a follow-up studio course that continues to solidify and expand the basic drawing concepts that students explored in ARTS1100 Principles of Drawing. The student will be working with wet media techniques (watercolors, oils, markers) as they develop their drawing, and painting techniques in creating 2D objects and more complex subject matter. Students also learn the relationship of plain objects, figures and animals, and their relationship to an environment or composition. Prerequisite: ARTS1100.
Meets the requirement for Art and Game Design elective. Course offered: Fall.

ARTS2300 Color Theory 3 cr.
The study of color supports the understanding of all visual media. This studio based course features a hands-on approach to color study as students work with color hues, values, color harmony, and its importance in design and graphic communications. Color theory covers the basic principles of color usage, color harmony, color psychology, and different systems of organization. It is a foundation course for students involved with visual design in color.
Meets the requirement for Art and Game Design elective. Course offered: Fall.

ARTS2309 Rendering and Presentation 3 cr.
This course concentrates on the preparation and professional layout of presentation boards using a variety of rendering techniques and color media. Emphasis is on rendering one and two point perspective drawings for use in illustrating interiors, exteriors and furniture designs.
Meets the requirement for Art elective. Course offered: Fall.

ARTS2400 Cartooning Basics 3 cr.
This course is an introduction to the basic principles of cartooning. Students will learn the essential components of cartooning, ranging from initial concept to finished cartoon. The history of the cartoon
will be covered, along with its contemporary application. Cartoon genres will include caricatures, "Funnies", single panel (including political cartoons), and Manga/Anime style drawing. Student will work to develop their own cartoon style while learning to use a variety of media such as pen and ink, marker and watercolor. Digital techniques, including the use of the computer, will be researched and explored.

Meets the requirement for Art and Game Design elective. Course offered: Fall and Spring.

ARTS2500 Digital Photography - see GRPH2170 Principles of Digital Imaging (Game and INDS students who need to meet this requirement should take GRPH2130 Techniques of Raster Imaging)

ARTS2800 Life Drawing 3 cr.
The student will enhance their drawing skills by drawing the human figure using live models. Students will study proportion, light and shade, simple anatomy of the human form, and develop a basic understanding of the human figure inaction and in motion. Prerequisite: ARTS1100; Students with significant drawing experience may apply to the instructor for permission to take this course concurrently with ARTS1100.

Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.

ARTS3100 Applied Aesthetics 3 cr.
The philosophical and intellectual investigation of beauty as perceived in the modern age. This course will discuss prints, paintings, sculpture, architecture, utilitarian objects, advertising, photography, film, and computer imagery. Emphasis will be on structure and the connections between different time periods, cultures, and media. Prerequisite: any 1000 level ARTS course.

Meets the requirement for Art and Humanities elective.

ARTS4000 Integrated Team Project 3 cr. (Graphic Design students should take GRPH4520 Sr. Team Project)
The Integrated Team Project (ITP) is the first half of a two semester, senior program that concludes with the Capstone Project (ARTS4001). The ITP course involves students working together as teams with local area clients on real-world projects. Student teams will work closely and interact with their assigned client to provide graphic design or interior space planning, web site design, and more. Supervised by design program faculty, the teams will be responsible for the design and production (final production files / boards) of their work which is presented to the client. During the first half of the semester, the ITP course will develop and increase the students’ levels of sophistication in creative problem-solving and client interaction. ITP will push the students to further develop advanced levels of conceptual and creative skills in the development of their projects. Prerequisite: 90 credits of completed design course work.

Course offered: Fall.

ARTS4001 Capstone Project 3 cr. (Graphic Design students should take GRPH4530 Professional Practices in Design; Interior Design students should take INDS4001 Capstone Project)
This semester-long, senior-level studio course is the culmination of the student's Bachelor of Arts in Design experience at Becker College. It is closely associated with the ARTS4000 Integrated Team Project course, taken during the previous semester. Working under the supervision of a faculty member, each student independently selects a thesis project that includes the research, development, creation and execution of a large-volume, high-quality original body of work created within the student’s area of concentration. Final presentation is to a panel of faculty and industry professionals at the conclusion of the semester. The thesis project content and its execution involves the application of previously learned studio skills and their direct relation to actual business applications. It is intended to simulate the
workload and dialogue that occurs in a professional practice between designers and clients.
Prerequisite: ARTS4000 or 90 credits of completed design course work.
Course offered: Spring.

ARTS4100 Design Portfolio 3 cr. (Game design and Game Programming students should take GAME 4610 Portfolio; Graphic Design students should take GRPH4510 Graphic Design Portfolio; Interior Design students should take INDS4610 Interior Design Portfolio)
In this course the student, working with a design faculty member, creates and produces his/her own individual portfolio which highlights the student’s competence, knowledge, and proficiency in his/her individual chosen field or area of interest. In addition, the student will work with Becker College’s Career Services office in the development of his/her job search strategy including creating a PPT presentation of their portfolio, using a portfolio as a marketing tool, preparing resumes and cover letters, developing interviewing skills and professional presentation techniques. Prerequisite: 90 credits of completed design course work.
Course offered: Spring.

ARTS4500 Career Internship 3 cr. (Game Design students should take GAME 4300 Career Internship; Graphic Design students should take GRPH4300 Career Internship; Interior Design students should take INDS4900 Interior Design Career Internship)
The senior student is required to pursue an internship with a local professional design firm in which the student can apply his/her academic experience to the professional working environment. The student intern works under the supervision and guidance of a faculty member in partnership with the student business supervisor. Bi-weekly, on-campus meetings between the student and design advisor will assure that the student is fulfilling his/her course and business obligations. A Career Internship form is required and is available at the Registrars’ Office. Prerequisite: 90 credits of completed design course work.
Course offered: Spring.

BIOL1001 Biology I 4 cr.
Fundamental principles of biology are studied at the molecular and cellular levels. Topics covered include the chemistry of macromolecules, molecular biology, cell biology, genetics, and the evolutionary process. Concepts covered in lecture will be applied in a required laboratory section. A grade of C or better is required for graduation in the Pre-Veterinary concentration.
Meets the requirement for Science elective. Course offered: Fall, Spring.

BIOL1002 Biology II 4 cr.
A course study in levels of organization from tissues to populations. Particular attention is paid to organ systems and mechanism of action. The themes of regulation, homeostasis, and diversity thread through the subject matter. The course will culminate by focusing on the interdependency of life at the most complex level of biological organization – the ecosystem. Concepts covered in lecture will be applied in a required laboratory section. A grade of C or better is required for graduation in the Pre-Veterinary concentration.
Meets the requirement for Science elective. Course offered: Fall, Spring.

BIOL1005 Anatomy and Physiology of Domestic Animals 1 4 cr.
A one-year laboratory course primarily for the Veterinary Technician/Veterinary Science programs. Uses a systems approach to study comparative vertebrate anatomy and physiology. Emphasis is on domestic animals such as the dog, cat, bird, horse, ruminant, rat and mouse. Anatomy is taught primarily in the
laboratory and physiology primarily in the classroom. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

Meets the requirement for Science elective. Course offered: Fall, Spring.

**BIOL1006 Anatomy and Physiology of Domestic Animals II 4 cr.**
The continuation of BIOL1005. Prerequisite: BIOL1005 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

Meets the requirement for Science elective. Course offered: Fall, Spring.

**BIOL1101 Issues in Biology 4 cr.**
This course for non-majors will cover current topics in Biology and their relevance to everyday life. Topics such as cloning, genetic technology, and stem cell technology will see as useful tools to study such basic concepts as heredity, reproduction, evolution, and biodiversity. Themes such as HIV and AIDS as well as cancer and obesity will address issues such as the structure and function of cells, systems in living organisms and living organisms and the environment. Malnutrition and genetically engineered crops will allow for discussion on energy and living things as well as changes in ecosystems over time. Weekly laboratory sessions will facilitate instruction of the material.

Meets the requirement for Science elective. Course offered: Fall.

**BIOL2502 Microbiology 4 cr.**
Microbes as they relate to the health sciences. Lectures emphasize the metabolism, the environment, and the genetics of microorganisms. Also covered is the body's response to microorganisms, disease, and the body's defense mechanisms. Required laboratory deals with the physiological, nutritional, and environmental needs of bacteria and fungi and with their use in the identification of microorganisms. Sterilization techniques, the use of the microscope, and the antibiotic susceptibility of bacteria are also studied. Prerequisite: C or better in CHEM1001/1002 (Veterinary Technology students). A grade of C or better is required for graduation in the Veterinary Science and Nursing programs.

Meets the requirement for Science elective. Course offered: Fall, Spring.

**BIOL2503 Anatomy and Physiology I 4 cr.**
A beginning course in the study of the human body with equal emphasis placed on structure and function. Specimen dissection is an integral requirement for both semesters. The first semester deals with the groundwork of the mammalian body, basic tissue types, fundamental aspects of the cell membrane structure and physiology, integumentary, skeletal and muscular systems. Lab required.

Meets the requirement for Science elective. Course offered: Fall, Spring.

**BIOL2504 Anatomy and Physiology II 4 cr.**
A continuation of BIOL2503, examining the nervous, cardiovascular, respiratory, digestive, endocrine and urogenital systems. The lab experience will allow the student to examine appropriate specimens relating to the systems presented in lecture.

Meets the requirement for Science elective. Course offered: Fall, Spring.

**BIOL30UG Special Topics Course 3 cr.**
Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived at [http://www.becker.edu/academics/course-descriptions/special-topics-courses](http://www.becker.edu/academics/course-descriptions/special-topics-courses). Student may take course multiple times to earn credit for a different topic.

Course offered: Fall.
BIOL3001 Cell Biology 3 cr.
A course covering the form and function of eukaryotic cells. Issues regarding transport mechanisms, cellular signaling, genetic regulation, and genetic technology are addressed. Attention is given to research design and experimental findings that support the subject matter. Prerequisites: One year of college chemistry and one year of biology or anatomy and physiology of domestic animals. This course assumes a prior knowledge of cell structure, chemical bonds, functional groups and the major biological molecules. Usually offered spring semester. A grade of C or better is required for graduation in the Veterinary Science program. Prerequisite: CHEM3003.
Course offered: Spring.

BIOL3100 Developmental Biology (Embryology) 4 cr.
An introduction to vertebrate development, this course is a survey of developing embryos from the fertilized egg through the various stages leading to the adult organism with emphasis on the anatomy of the embryo. Topics examined in this survey include growth, regulations, inductions, morphogenesis, cell differentiation and underlying molecular mechanisms, regeneration, and aging. The required laboratory will involve the descriptive and slide studies of development in the sea urchin, frog, bird and mammal. Prerequisites: One year of biology with lab or one year of anatomy and physiology with lab.
Course offered: Spring.

BIOL3200 Biostatistics 3 cr.
A basic statistic course with an emphasis on the use of statistics in the life sciences. The course covers descriptive statistics, probability and hypothesis testing using both parametric and nonparametric statistics testing. A semester project is required. Prerequisite: MATH1200. A grade of C or better is required for graduation in the Veterinary Science program.
Course offered: Spring.

BIOL3201 Primatology 3 cr.
Introduces the order of primates and describes its general characteristics and distribution, reviews the fossil record on primate origins and describes anatomical details and social behaviors. Students will better understand the natural history of primates and thus incorporate the knowledge into the primate’s role in a research facility. Prerequisite: Open to junior Veterinary Science students or by permission of the instructor. A grade of C or better is required for graduation from the Veterinary Science program.
Meets the requirement for Science elective for Biology and Veterinary elective. Course offered: Fall.

BIOL3202 Histology 4 cr.
This course introduces normal comparative microscopic anatomy. Tissue identification at the microscopic level is emphasized. Tissue preparation, cutting and staining techniques are covered in the laboratory. Prerequisites: One year of anatomy and physiology, or one year of biology, or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science program.
Meets the requirement for Science for Biology elective. Course offered: Spring.

BIOL3500 Genetics 3 cr.
A survey course in genetics with an emphasis on vertebrates. The course reinforces past learning of cell division and the structure of chromosomes. Mendelian genetics and modifications to it, molecular basis of heredity, gene expression, heritability and population genetics will also be included. Prerequisites: One year of college biology or anatomy and physiology of domestic animals and CHEM1001/1002. This course assumes a prior knowledge of cell structure, cell division and a fundamental knowledge of DNA structure and function. A grade of C or better is required for graduation in the Veterinary Science.
Course offered: Fall.
BIOL3520 Genomics 3 cr.
An introduction to the characterization and analysis of genomes, and an overview of how abnormalities of the human genome can cause or influence certain human diseases. A survey of the methods used to sequence genomes and identify diversities such as mutations, copy number variations, chromosomal rearrangements, and indels will be covered, as well as the bioinformatics tools used to analyze genomic data. Additional topics will include comparative genomics, human evolution, and epigenetics.
Prerequisite: C or better in BIOL3500.
Course offered: Spring.

BIOL4200 Biotechniques 3 cr.
This course is designed to give the student exposure to laboratory techniques used in biological research as well as techniques commonly employed in diagnostic assays and forensics. The focus will be on three general areas: protein/enzyme analysis; immunoassays; and DNA analysis. Laboratory sessions will provide hands-on experience for the students in all three of these areas. Lectures will provide a general foundation in each area, the conceptual basis for each technique to be performed in the laboratory, and practical details on implementation. Prerequisite: CHEM3003.
Meets the requirement for Veterinary Science elective. Course offered: Fall.

BIOL4500 Biology Seminar 3 cr.
This capstone course is designed to be flexible in format and content. Individual students or small groups choose a topic, design and conduct this approved project, and present their results to seminar participants and invited administrators and faculty. The seminar provides an enhancement to the biology major by broadening the student’s horizon by research, discussions, and readings of topics in biology. An approach will be taken that will integrate students’ perspectives of current research in biology and allow the students to delve into a selected area of biology. This approach will further develop research and critical thinking abilities and oral and written communication skills. Prerequisite: Senior status and completion of all Biology core courses or permission of professor.
Course offered: Fall.

BIOL4901 Internship 3 cr.
The Preceptorship Program is a vocational experience in the area of the student’s biological interest. The course is designed to provide a hands-on laboratory or research experience that integrates technical skills with academic knowledge in a variety of responsibilities and settings related to the student’s specific concentration. Under the supervision of a preceptorship coordinator and facility supervisor, the student has the opportunity to individualize his/her internship experience in a certain discipline of biology for personal and professional development. Requires a minimum of 144 hours preceptorship. Prerequisite: Senior status and/or departmental permission.
Course offered: Fall, Spring.

BIOL4902 Internship II 3 cr.
This course provides an opportunity for a student to broaden their preceptorship experience with additional hours of experience. Under the supervision of a preceptorship coordinator and facility supervisor, the student has the opportunity to individualize his/her internship experience in a certain discipline of biology for personal and professional development. Requires a minimum of 144 hours preceptorship. Prerequisite: BIOL4901.
Meets the requirement for Science elective for Biology. Course offered: Fall, Spring.

CHEM1001 Chemistry I 4 cr.
An introductory course with laboratory for students in the health professions or life sciences. Inorganic chemistry and an introduction to organic chemistry are covered. Topics include measurement, the
nature of atoms, bonding, calculations and chemical equations, reactions and solutions, the states of
matter, thermodynamics, kinetics, acids, bases, buffers and the hydrocarbons. A grade of C or better is
required for graduation in the Veterinary Technology program.

Meets the requirement for Science elective. Course offered: Fall, Spring.

CHEM1002 Chemistry II 4 cr.
A continuation of CHEM1001. The basics of organic chemistry are continued. The fundamentals of
biochemistry are covered and its application to the health sciences is emphasized. Some topics include
functional groups, nomenclature and reactions of organic compounds, carbohydrates, proteins, lipids,
nucleic acids and basic metabolism. Lab required. Prerequisite: A grade of D or better in CHEM1001. A
grade of C or better is required for graduation in the Veterinary Technology program.

Meets the requirement for Science elective. Course offered: Fall, Spring.

CHEM2100 Organic Chemistry I 4 cr.
This course introduces Organic Chemistry, with emphasis on the principles of broad classes of
reactions. Topics will include bonding, physical properties, stereochemistry of alkanes, alkenes, alkynes,
alkyl halides, alcohols and ethers, with an introduction to infrared and magnetic resonance
spectroscopy. The laboratory will complement and expand on lecture topics. Laboratory safety will be
emphasized. The organic reactions performed will be done in a microscale. Prerequisites CHEM1001
and CHEM1002. A grade of C or better is required for graduation in the Veterinary Sciences Programs.

Course offered: Fall.

CHEM2101 Organic Chemistry II 4 cr.
This course is a continuation of CHEM2101 and involves the chemistry of carbonyl groups and
aromatic compounds. Emphasis will be placed more heavily on analysis and synthesis, as well as the
relevancy to medicine, the environment, biology and society in general. The laboratory will again
enhance and expand the lecture topics. Prerequisites: CHEM2101. A grade of C or better is required for
graduation in the Veterinary Science Programs.

Course offered: Spring.

CHEM3003 Biochemistry 3 cr.
This course is designed as a general survey class in Biochemistry. The structures, functions, anabolic and
catabolic pathways of nucleic acids, proteins, carbohydrates, and lipids will be discussed. Enzymatic
regulation, nervous and endocrine control, and pathway integration will be evaluated in the context of
homeostasis at the cellular through organismal level. Prerequisites: Biology I & II or Anatomy and
Physiology I & II and Chemistry I & II. Usually offered in Fall. A grade of C or better is required for
graduation in the Veterinary Sciences program.

Course offered: Fall, Spring.

COMM1300 Communication in the 21st Century 3 cr.
The media and communication field is a constantly changing industry encompassing traditional media
communications, digital communications, social networking, advertising, news and so much more.
Almost every aspect of our daily lives is impacted in some way by communications. This survey course
takes a look at various types of communications, the impact of communications and the future of
media. Students will discuss how media impacts our culture, ethics, society, government and politics in
the global environment. Prerequisite: none.

Course offered: Fall.
COMM2100 Digital Video Production 3 cr.
Introduction to Video Production is open to any student interested in the field of videography, new media, communications, visual arts, public relations, marketing, advertising, theatre or technical production. The course is designed to introduce the interested student to the basis of digital video production and post-production in the media, while stressing video composition methods, and the basic techniques of videography. The student will learn how to shoot and deliver compelling visual stories using a variety of capturing devices such as smart phones and camcorders, as well as post-production/editing software. Students will work individually or as part of a team to produce short video projects while exploring a variety of delivery methods, including web, mobile, and emerging new media. The course will also cover the History of Film & Television, Scriptwriting, and the use of new Digital Media in the creation of videos. The class featuring hands-on, real world projects will require the students to be creative, responsible and professional. Prerequisite: none.
Course offered: Fall.

COMM2400 Media for Instruction and Training 3 cr.
The fields of instructional material design and instructional technology have been merging for the better part of two decades, even longer by some accounts. This course will provide students with a review of the past, the present, and the future history of the fast-paced field of instructional design. In addition, students will combine technology skills with learning theory needed for material design and development by using the ADDIE model of development. Through hands-on use of a variety of computer-based tools dealing with instructional methods and principles of design, students will analyze and apply strategies and learning theories for the identification of instructional needs, communication skills, and models to meet educational and training goals. Prerequisite: none.
Course offered: Spring.

COMM2700 New Media 3 cr.
This course will introduce students to all major facets of new media including news, social media, television, sports casting, magazine-style broadcasts and sites, reality TV, internet broadcasts, media sites and more. Through lectures, discussion, professional guests and field work the course will cover the evolution of media, content collection and creation plus distribution. Students will learn about gathering, writing, and copy editing for various media outlets including television, radio, Internet and newspaper. Prerequisites: ENGL1001 and 1003.
Course offered: Spring.

COMM3300 Introduction to Web Design - see GRPH2160 Introduction to Web Design

COMM3305 Advanced Web Design - see GRPH3110 Advanced Web Design

COMM3503 Web Design / Multimedia – see GRPH2180 Animation and Motion Graphics

COMM4300 Career Internship 3 cr.
The junior or senior student is required to pursue an internship with a local company or organization in which the student can apply his/her academic experience to the professional working environment. The student intern works under the supervision and guidance of a faculty member in partnership with the student business supervisor. Biweekly, on-campus meetings between the student and design advisor will assure that the student is fulfilling his/her course and business obligations. A Career Internship form is required and is available in Career Services to be filled out for approval. Prerequisite: Jr. Status in Communications Design.
COMM4400 Advanced Topics in Communications 3 cr.
Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived at http://www.becker.edu/academics/course-descriptions/special-topics-courses. Student may take course multiple times to earn credit for a different topic.
Course offered: Spring.

COMM4510 Communications Portfolio 3 cr.
In this course the student, working with a design faculty member, creates and produces his/her own individual portfolio which highlights the student’s competence, knowledge, and proficiency in his/her individual chosen field or area of interest. In addition, the student will work with Becker College’s Career Services office in the development of his/her job search strategy including creating a PPT presentation of their portfolio, using a portfolio as a marketing tool, preparing resumes and cover letters, developing interviewing skills and professional presentation techniques. Prerequisite: Jr. Status in Communications Design.
Course offered: Fall, Spring.

COMM4520 Senior Team Project 3 cr.
The Senior Team Project involves communications design students working as teams with local area clients on real world projects. They may also be working with graphic design students. You and your team will work closely and interact with your assigned client to provide the communications design services required by your client. Supervised by a faculty member from the design area, the teams will be responsible for setting meeting times with their clients, determining their needs, drafting a proposal with a scope of work and producing the deliverables described in the proposal to clients by the end of the semester. The course will develop and increase the student level of sophistication in creative problem-solving and client interaction and challenge the student to further develop an advanced level of conceptual and creative skills in the creation and production of their projects. Prerequisite: Junior Status in Communications Design.
Course offered: Fall.

COMM4530 Professional Practices in Communication 3 cr.
An exploration of communications design and the industries business environment. This course will provide advanced projects for designing for and within the corporate sector. Students will learn to create project plans, coordinate the activities of various project components, fill out copyright forms, and compile contracts. The class emphasizes skills necessary for working with communication firms or in the communications department of a broader industry. Students will also prepare self-promotional materials, portfolio presentations and sales pitches to further prepare them for their professional careers. Prerequisite: Junior status in Communications Design.
Course offered: Fall.

CORE1001 Managing Transitions: Change as a Norm 3cr.
This course is designed to give students an introduction to the Agile Mindset and to address the process of transition to college. This course emphasizes understanding the context of a situation from the college or university environment to the shape and structure of the industry in which the student chooses to major to understanding the economic, social, political, and environmental impacts of rapid changes in technology. In this course students will begin to construct their own career strategy through creation of a positive and engaged social media presence and the development and cultivation of a knowledge network. Students will also be introduced to modern student success skills including social media etiquette, information literacy, virtual collaboration, interdisciplinary collaboration, and cognitive load management. This course will emphasize the rapid changes in technology, social, environmental,
political, globalization, and economic conditions that produce the ambiguity, uncertainty, and complexity that will define professional experience. Prerequisites: None
Course offered: Fall.

CORR2203 Community Corrections – see JUST2203 Corrections, Systems & Process

CORR2209 Probation and Parole – see JUST2209 Probation and Parole

CPTR1100 Computer Programming I 3 cr. (previously INFO1100 Introduction to Programming)
Introduction to Programming, this course introduces principles of programming in an object oriented environment. Topics include design and implementation of programs that use a variety of data structures, functions, and conditionals. Students will be expected to design, implement, and debug programs. Prerequisites: None.
Course offered: Fall, Spring.

CPTR1400 Computer Programming II 3 cr. (previously INFO1400 Programming in C++)
This course will improve upon existing object oriented programming skills and introduce new concepts in programming. Topics covered are classes / objects and constructors, overloading operators, strings, pointers, namespaces, encapsulation, and reading and writing files. Prerequisites: CPTR 1100.
Course offered: Fall.

CPTR2300 Data Structures 3 cr. (previously INFO2300 Data Structures)
Manipulation of character strings and data (searching, sorting, etc.) file processing, program segmentation, linearly linked lists, matrices, trees and graphics, stack and queues will be covered using the language of C++. Prerequisite: CPTR1400.
Meets the requirement for Game Design Program elective. Course offered: Fall, Spring.

CPTR2400 Database Management 3 cr.
Discusses the basics of database management, a critical element of all IT organizations. Databases are the foundation for operational/transaction systems and for management decision-making. Topics include types of databases and the database environment, database analysis and data modeling, database design with relational models (SQL and QBE), implementation issues including, data administration, data integrity, concurrent updates, and data security. This course includes introduction to distributed databases, data warehouses, stored procedures, triggers, data macros, and web databases. Prerequisite: CPTR1100.

CPTR2800 Information Security and Information Technology Fundamentals 3 cr.
This course will serve as an introduction to concepts and terms related to information technology as well as fundamental information technology principles key to the understanding and practice of information security. This will give the student a clear overview of the core elements of the Information Security business and much of the technology involved.
Course offered: Fall.

CPTR2801 Information Security Threat Landscape and Attacker Motivation 3 cr.
This course will cover the types of attacks and threats which represent risk to information confidentiality, integrity and availability. Understanding the motivations and options available to attackers is of core importance to defensive concepts and communications about information security initiatives, gaps, and capabilities at the local, state and international level. Attacks may be from malicious amateur groups or individuals, organized crime syndicates or state level cyber intelligence
agency looking to gather critical information or cripple key data infrastructures  Prerequisite course: CPTR2800.

**CPTR2802 Defending and Attacking Modern Networked Computer Systems  3 cr.**
This course will introduce the technical and procedural components of an information security program that will assist in the mitigation of risks to information security. Students will learn hands on techniques to apply technical controls to address vulnerabilities. Learning to think like an attacker and knowing the tools and techniques of attackers is pivotal to designing and configuring IT security systems. Hands on experience will be gained in these tools and techniques that will enable the students to create countermeasures against hacking attacks. Prerequisites: CPTR2800 and CPTR2801.

**REQUIREMENT** – This course requires access to a Windows 7 or higher or Linux computer system with access to the internet.

**Disclaimer** – The techniques and tools described and demonstrated in this course should only be used with the *explicit permission* of the owners of information systems and within the context of the lab exercises provided only. These tools and techniques could represent violations of local, state, and Federal law as well as terms of service of network providers and employers.

**CPTR3400 Data Warehousing 3 cr.**
This course provides a comprehensive overview of data warehousing together with an in-depth treatment of planning, design, deployment, and ongoing maintenance issues. Students will gain a clear understanding of techniques for data extraction from source systems, data cleansing, data transformations, data warehouse architecture and infrastructure, and information delivery. Once the basic data warehouse principles and concepts have been established, the remainder of the class will be built around a group project where students build a functioning prototype of a data warehouse. Prerequisite: CPTR2400.

**CPTR3600 Networking I 3 cr. (previously INFO3600 Networking I)**
Introduces the student to the basic concepts of networking and such topics as Networking Architecture, rings, token rings, Ethernet, ATM, LANs, WANs, and MANs, transmission systems, POTS, coax, Cat-5, fiberglass, wireless, modems, multiplex, Internet structure and history. In addition, this course will prepare the student to install, configure, and administer the network operating system currently in use in most business office networks.  
**Meets the requirement for Game Design Program elective. Course offered: Spring.**

**CPTR3801 Information Security Incident Handling  3 cr.**
Information security incidents are a nearly inevitable part of the practice of information security. Dealing with these incidents in repeatable predictable manners with a goal of reducing the overall frequency and impact of security incidents is a key function of the information security role in an organization. During this course, the students will explore and demonstrate understanding of the following concepts. Prerequisite: CPTR2800.

**CPTR3802 Business Communication for Information Security Professionals  3 cr.**
Communications is the single most important skill of any professional in the information security field. The success or failure of Infosec projects and programs is entirely dependent on the ability of those involved to relate the importance of the program to business leaders in business terms and demonstrate successful execution based on business goals. This course assessment will include actual writing assignments in the format of executive presentation about a topic in security. Recommend students independently research a recent system or vulnerability and using templates and provided materials
make a report on this topic targeted at senior management as an awareness case with a proposed mitigating control or system. Prerequisite: CPTR3801.

**CPTR3803 Digital Forensics 3 cr.**
This course will focus on computer and cyber forensics. Students will learn different aspects of computer and cyber-crime and ways in which to uncover, protect, exploit, and document digital evidence including information hiding, anti-forensics, and network forensics. Basic principles of digital media will be studied in order to understand how digital images, audio, and video can be manipulated and how such manipulation can be detected. Students will utilize different types of software and hardware, techniques and procedures to perform rudimentary forensic investigations. A major component of the course will be several hands-on exercises and a final team-based project. This course will incorporate collaborative and action-learning experiences wherever appropriate. Prerequisites: CPTR2800 Information Security Fundamentals.

**CPTR4100 Machine Learning 3 cr.**
The field of machine learning is concerned with the question of how to construct computer programs that improve automatically with experience. In recent years, many successful applications of machine learning have been developed, ranging from data-mining programs that learn to detect fraudulent credit card transactions, to autonomous vehicles that learn to drive on public highways. At the same time, there have been important advances in the theory and algorithms that form the foundation of this field. Theoretical properties of these algorithms and their practical applications will be covered. Machine learning algorithms to be studied include decision trees, artificial neural networks, Bayesian learners, evolutionary algorithm, boosting and bagging techniques, computational learning theory, and PAC learnability. The course will also introduce students to Map Reduce algorithms for pattern discovery in massive unstructured data. Prerequisite: Successful completion of CPTR1100 or CPTR1400, and MATH2200, MATH2202, and MATH3305.

**CPTR4600 Networking II 3 cr.**
This course is a continuation of CPTR3600 and will present practical applications of software installation and network administration in a laboratory environment. Problem solving skills will be emphasized along with actual troubleshooting scenarios and students will be required to solve problems introduced on lab networks in order to strengthen their understanding of fundamental concepts, requirements and design tradeoffs, particularly as related to scheduling, congestion control, routing, wireless access and mobility, and applications. Students will be encouraged to study for certification exams. Prerequisite: CPTR3600. Course offered: Fall.

**CPTR4801 Emerging Technologies and Implications for Information Security 3 cr.**
Information security and IT in general is always changing and is often driven by consumer technologies outside of the corporate enterprise. Students in this course will be exposed to some of the new technology drivers impacting Infosec at this time and some of the near term challenges that will be faced by IT and Infosec departments in the years to come. Prerequisites: CPTR2800.

**CPTR4802 Security Management and Policy Topics 3 cr.**
Management of information security in a modern organization generally requires an established framework for day-to-day operations and continual improvement. Regulatory requirements dictate controls and audit guidelines in various industries. Students in this course will gain familiarity with these frameworks, requirements and concepts and demonstrate their understanding through course assignments. Prerequisite: CPTR2800.
DATA2001 Data Science Tools and Techniques 3 cr.
This course is an overview of Data Science – the science of iterative exploration of data that can be used to gain insights and optimize business decisions. The course introduces the foundational topics in Data Science, including introduction to Data Manipulation, Data Analysis with Statistics and Machine Learning, Data Communication and Visualization, as well as Scalability and Working with Big Data. Students will gain exposure to open source statistical tools that are quickly gaining in popularity and understand how to use them to extract, clean and explore datasets. Students will also use visualization tools similar to those used in industry. Students will also understand and get experience with secondary tools, required for Data Science projects, including using terminal access command line and versioning control. Prerequisite: MATH2200-Statistics, CPTR1100-Programming 1; CPTR2400-Database Management concurrent.

ECON2001 Microeconomics 3 cr.
This course will focus on the organization and functions of the American economic system of capitalism, including a description and analysis of major economic institutions such as the “free market” and the development of the ability to apply economic analysis to the study of consumption, production, demand, supply, price determination, and costs. In addition to the workings of, and outcomes in traditional product markets for goods and services, there will be a special focus on the labor market, financial markets, and the health care market. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisites: MGMT1000 or MGMT2200. Meets the requirement for Social Science elective. Course offered: Fall.

ECON2002 Macroeconomics 3 cr.
Utilizing microeconomic principles as its foundations, macroeconomics is concerned with the modern concept of aggregate economic productivity and output, national income analysis, inflation, national levels of employment and unemployment, and the government taxation, spending, and monetary policies designed to affect these aggregates while maintaining balanced economic progress. The nature of the market for money, the role of the commercial banking industry, and how and why central banks manage the money supply will be a central area of study. Another will be the impact of international trade, trade policies, and the market for foreign exchange. The globalization of finance, risk management, and central bank coordination and cooperation will also be studied. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisite MGMT1000. Meets the requirement for Social Science elective. Course offered: Spring.

EDUC1001 Behavior and the Young Child 3 cr.
This course will explore normal and abnormal behavior and helping to change negative behavior to positive. It covers setting tones for behavior within the classroom structure, methods and recreations and working with parents to help them modify their child’s behavior. Focus: infancy to grade two. Meets the requirement for Psychology elective. Course offered: Fall.

EDUC1003 Principles of Education 4 cr.
This course builds a foundation of knowledge to help the prospective teacher in working with the child and the family. Goals of this course include learning to observe children, analyzing the NAEYC Code of Ethics, learning ways of appropriately guiding children, and developing an understanding of the nature of play. This course requires a 20-hour field-experience in a preschool classroom. Course offered: Fall.
EDUC1004 Experiences in ECE Curriculum 4 cr.
This course will provide a foundation for early childhood concentration students in the curricular areas of Math, Science, Social Studies, and Language Arts. Students will learn how to develop materials to teach these curricula areas while implementing the Massachusetts Preschool Guidelines and Massachusetts Curriculum Frameworks. Lesson plan writing is also a major focus of this course. A 20-hour prepracticum provides field experience in preparing and executing activities discussed in class.
Course offered: Spring.

EDUC1201 Arts in Education 3 cr.
This course has been designed to encompass the fields of movement, music, and visual arts. Students will study Howard Gardner’s theory of multiple intelligences and integrate this knowledge with the MA Arts Curriculum Framework in order to develop a comprehensive understanding of teaching the arts to children. Principles of planning well-balanced art, music, and movement, and physical education curriculum based on developmental levels from pre-K to 6 will be addressed. Imaginative, reflective and analytical thinking along with heightened perceptual awareness and respect for creativity in others will be stressed.
Course offered: Fall.

EDUC1205 Elementary Math Subtest MTEL General Curriculum Concepts 1 cr.
This is a 15 hour course that will cover the topics on the Elementary Math Subtest Massachusetts MTEL General Curriculum with emphasis on improving problem-solving skills and developing the deep conceptual understanding that is the key to success. Students will review or learn the most efficient ways to solve various types of problems.
Course offered: Fall, Spring.

EDUC2004 Administering and Evaluating Programs Serving Children and Youth (previously ECE Management and Administration) 3 cr.
This course is intended for future professionals who want to be directors of childcare centers. The goals of this course are to learn the skills needed to start and operate an early childhood center, understand the role of the early childhood director, identify skills needed to handle financial matters and demonstrate ways to effectively communicate with parents.
Course offered: Fall.

EDUC2203 Diverse Learner in the Classroom (previously Special Needs in the Classroom) 3 cr.
This course will provide students with fundamental background knowledge in the field of special education as well as current research on how students with various learning needs are served within inclusive school environments. Students will study the major physical, psychological, learning, and behavioral characteristics of children with special needs and the implications of these characteristics for effective instruction at the early childhood (PK-2) and elementary (1-6) levels. Prerequisite: PSYC1002 or PSYC1107.
Course offered: Fall.

EDUC2207 Health and Safety of Young Children 3 cr.
The nurturing of a child’s development is based on knowledge of the child’s general health, growth and development, learning style and unique characteristics. This course will address ways to promote healthy relationships with families and caregivers; to understand cultural differences; to be sensitive to stressors in the home environment; to help develop healthy eating and physical habits, and to explore physical and mental health problems in children. This course will focus on children ages 0 to 8 years.
EDUC2405 Observing, Documenting and Assessing Young Children 3 cr.
Assessment is an integral part of the total picture of early childhood and youth education. Information gathered through informed observation and other ways guides the countless decisions at the heart of solid and appropriate instruction and intervention. Systematic and intensive assessment information collection informs instruction and promotes children’s learning. Students will gain knowledge of both formal and authentic assessment techniques helping them to become competent teachers. Prerequisite: PSYC1002.
Course offered: Fall.

EDUC2500 Practicum in Early Childhood Education 6 cr.
Three months (EEC) supervised field experience in a PK-K setting with a licensed teacher. The practicum qualifies the student to be a preschool level teacher (ages 2.9 to 4.9). It also satisfies a portion of the DESE practicum requirements for Mass. State Education Licensure. A grade of C or better is required for graduation. May only be repeated once. Prerequisites: 2.0 C. GPA. A grade of B or better is required for entry into the B.A. Psychology (ECE concentration) program.
Course offered: Fall, Spring.

EDUC2700 Teaching English Language Learners 3 cr.
The purpose of this course is to prepare college students in elementary education preparatory programs with the knowledge and professional practice skills and strategies necessary to provide effective, comprehensible, accessible and differentiated sheltered content instruction to English Language Learners in their classroom. Students will increase their knowledge of the ELL population, including cultural and social considerations, second language acquisition theory (SLA), language and literacy theories, and current best practices in ELL instruction. They will also be introduced to the various educational reforms, such as the Common Core State Standards (CCSS), the World-Class Instructional Design and Assessment’s (WIDA’s) and the English Language Development (ELD) standards.
Prerequisite: ENGL1003.
Course offered: Spring, Summer.

EDUC2901 Infant/Toddler Internship 3 cr.
Students work in an infant/toddler setting (EEC approved) for three months. Weekly seminars on all aspects of teaching infants and toddlers. Prerequisites: 2.00 GPA and permission of the instructor.
Course offered: Spring.

EDUC3000 Foundations in American Education 3 cr.
This course is intended to provide background knowledge in the social, philosophical, and historical foundations of education. The course will consider the social origins of educational ideals, significant historical contributions to educational philosophy, and various contemporary social concerns in American education.
Course offered: Fall.

EDUC3100 Reading, Writing and Language in ECE 4 cr.
This course examines children’s language acquisition and emerging literacy from a developmental perspective. Various methods of teaching reading and writing will be explored. Major emphasis is place on awareness and application of the standards for instruction and assessment as outlined in the English Language Arts Curriculum Frameworks. Includes a 40-hour prepracticum experience in a K-2 classroom. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL. A grade of B or better is required prior to student teaching (EDUC4001/4002).
Course offered: Fall, Spring.
EDUC3101 Foundations of Literacy 3 cr.
This course will provide a foundation for ECE students and Elementary Education concentration students in curriculum and instruction in reading and writing in grades K-6. It will focus on the learning objectives contained in the State of Massachusetts Test for Educator Licensure (MTEL) in Reading. It will prepare students for this exam and for the required pre-practicum courses in the ECE program (EDUC3100) and the Elementary Education concentration program (EDUC3102). Theory, instructional methodology, diagnostic and assessment techniques for literacy instruction will be presented. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL.
Course offered: Fall, Spring.

EDUC3102 Literacy: Curriculum and Instruction in the Elementary School 4 cr.
In this course, the study of literacy is approached from a developmental perspective, beginning with emergent literacy and progressing through the more advanced stages of reading and writing to learn in the upper elementary grades. The focus of this course will be upon theories, instructional methodology, and current approaches and materials for literacy instruction in grades 1-6. Major emphasis is placed on awareness and application of the standards for instruction and assessment outlined in the English Language Arts Curriculum Framework. Note: There is a 40-hour prepracticum experience attached to this course. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL. A grade of B or better is required before enrolling in EDUC4201 & EDUC4202.
Course offered: Fall, Spring.

EDUC3105 Introduction to the Teaching Profession 3 cr.
This course is designed to help provide students, prospective teachers; the means to analyze, develop, and facilitate their own as well as their future students’ communicate behaviors, including team and group dynamics. The course is also designed to enhance communication skills both in oral and written form which includes professional presentation skills for effective classroom lectures.
Course offered: Fall, Spring.

EDUC3203 Mathematics and Science for Young Children 3 cr.
Students will be presented with an organized, sequential approach to creating a developmentally appropriate math and science curriculum for children ages 0 to 8. Students will apply best practices in teaching methods and about high quality materials available for classroom use. Embedded in the course will be the fundamental STEM concepts underling a young child’s understanding of math, science, technology and engineering. For example, math concepts such as comparing, classifying, and measuring are simply called process skills when applied to science and engineering problems. The other science process skills (observing, communicating, inferring, hypothesizing) are equally important for solving problems in engineering, science, and mathematics. Students will learn to analyze the learning environment and develop high quality, engaging, and developmentally appropriate learning. This course is different from EDUC3306 Mathematics: Curriculum and Instruction in the Early Childhood School in that it includes science and addresses children ages 0 to 12. The focus is the Early Childhood Core Competencies and the Massachusetts Curriculum Frameworks. Prerequisites: PSYC1002 and MATH1200.
Course offered: Spring.

EDUC3300 Science and Social Studies: Curriculum and Instruction in the Elementary School 4 cr.
This course will focus on the following areas in teaching elementary science and social studies: state and national standards; teaching science by inquiry, teaching for the process and content of science; science and technology; project-based methodology; lesson planning and development; interdisciplinary themes for learning; the social science disciplines; varied teaching methods to approach social studies and
geography; and how these content areas relate to literacy. Note: There is a 20-hour pre-practicum experience attached to this course. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL. A grade of B or better is required before enrolling in EDUC4001/4002.

Course offered: Fall, Spring.

EDUC3301 Science and Social Studies: Curriculum and Instruction in the Early Childhood School 4 cr.

Students focus on how young children gain an understanding of the principles of science through exploring the world around them in terms of the life, earth, physical, and technological sciences. The course models a constructivist approach with an emphasis on problem-solving, real-life connections, and the discovery method. Essential science content is reviewed to ensure students’ understanding of key concepts. In the area of social sciences, the course provides an opportunity for these potential teachers of young children to reflect upon the social goals of education within a democracy, to reinforce knowledge of U.S. and world history and geography, and to understand basic principles of multiculturalism and a global economy.

In conjunction with the lecture portion of the course on campus, students will complete a pre-practicum experience in a local elementary classroom where they will apply the course curriculum. Students will observe classroom teachers and then teach lessons in science and social studies to both small and whole class groups. This pre-practicum experience will consist of a total of forty hours completed across the semester in minimum of one-hour blocks of time, beginning after the first class. This experience will be supervised by both the classroom-cooperating teacher and the professor. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL.

Course offered: Fall, Spring.

EDUC3305 Mathematics: Curriculum and Instruction in the Elementary School 4 cr.

This is a required course for students working towards elementary teacher certification. It is designed according to national and state standards regarding mathematics instruction. Students will study theories of learning mathematics from a developmental perspective. They will practice preparing instructional activities and assessment techniques to meet the needs of diverse learners. Curriculum integration, problem solving and real-life applications for teaching math will be stressed. Note: There is a 40-hour pre-practicum experience attached to this course. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL. A grade of B or better is required before enrolling in EDUC4001/4002.

Course offered: Fall, Spring.

EDUC3306 Mathematics: Curriculum and Instruction in the Early Childhood School 4 cr.

The purpose of this course is for students to learn how young children gain understanding of concepts and skills in mathematics. Students learn and apply best practices in teaching methods and about high quality materials available for classroom use. The course emphasizes problem solving, algorithms/computation, real-life connections, and hands-on methodology. The Massachusetts Curriculum Frameworks for Mathematics (November, 2000; Supplement, May 2004) provides a structure for the focus of the Pre-K-Grade 2 curriculum presented in the course. Students are expected to review the content and skills required in the math curriculum frameworks to solidify and fine-tune their own understanding of the key areas addressed by the standards. Time is allotted for reviewing MCAS, editions previously administered, in order for students to understand how elementary pupils math knowledge and skills are evaluated under current state and national statutes.
In conjunction with the lecture portion of the course on campus, students complete a pre-practicum experience in a local elementary classroom where they apply the course curriculum. Students observe classroom teachers and then teach lessons in mathematics to both small and whole class groups. This pre-practicum experience consists of a total of forty hours completed across the semester in minimum of one-hour blocks of time, beginning after the first class. This experience is supervised by both the classroom-cooperating teacher and the professor. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL.

Course offered: Fall.

EDUC3500 Practicum II 6 cr.
This course requires students to complete a 300 hour practicum experience under the supervision of a Department of Early Education and Care licensed pre-school teacher. Students may choose a setting with children between the ages of birth to eight. Throughout the practicum students will develop leadership in their early education and care setting, use a problem solving approach in the application of theory to real life practice, collect and analyze data to inform practice, and reflect on their practicum placement. This practicum includes a one hour a week seminar with a college supervisor. Students are required to complete the practicum with a different age group than EDUC2500. Prerequisite EDUC2500.

Course offered: Spring.

EDUC4001 Advanced Practicum in ECE 9 cr.
A 300-hour supervised K-2 classroom field placement in student teaching fulfills the second part of the Massachusetts Department of Education practicum requirement for ECE teacher certification. This is contingent upon the student having successfully completed an approved practicum at the pre-K level. Course includes on-site supervision and meetings with Supervising Practitioners (mentors) and college supervisors. The practicum includes: on-site supervision; planning, implementing and assessing activities with children; individualizing for IEPs, special needs and planning for diversity at developmentally appropriate levels. Seminar will be taken concurrently with EDUC4002 and will complement the practicum. Prerequisites: Final grade of B or better in EDUC3306 and EDUC3100; and a passing score is required on the Massachusetts Tests of Educator Licensure (MTEL): Foundations of Reading subtest to enroll in EDUC4001/4002.

Course offered: Fall.

EDUC4002 ECE Seminar 3 cr.
Students in this seminar, taken concurrently with the Senior Practicum, discuss current issues in early childhood education, reflect on and evaluate their growth in the professional teaching standards, and develop a showcase teaching portfolio integrating the Professional Standards for Teachers, philosophy of education, lesson plans and units, and self-assessments. Resume writing and interview skills are also presented. Seminar will be taken concurrently with EDUC4001 and will complement the practicum. Prerequisites: Final grade of B or better in EDUC3306 and EDUC3100; final grade of C or better in PSYC2806, and a passing score is required on the Massachusetts Tests of Educator Licensure (MTEL): Foundations of Reading subtest to enroll in EDUC4001/4002.

EDUC4100 Early Childhood Capstone 3 cr.
Students will be required to engage in independent research and prepare a presentation of their findings. Students will also complete a career portfolio. The portfolio will include:

- Philosophy of education: Student will clearly state thoughts, values, and beliefs that contribute to educational decisions.
Undergraduate Program Course Descriptions

- **Self-Evaluation:** Student will reflect critically on all Core Competencies and STEM using many examples and evidence to document how they are met
- **Journal Reflections:** Student will demonstrate introspection and self-assessment
- **Professional Goals:** Student will critically reflect on further professional development

Prerequisites: EDUC2500 and EDUC3500, PSYC4005.
**Course offered:** Spring.

**EDUC4201 Elementary Education Practicum 9 cr.**
The 300-hour supervised classroom field placement in student teaching fulfills the second part of the Massachusetts Department of Education requirement for a practicum at the grade 1 through grade 6 level. The practicum includes: on-site supervision; planning, implementing and assessing activities with children; individualizing for IEPs, special needs and planning for diversity at developmentally appropriate levels. Seminar will be taken concurrently and will reflect academic work pertinent to the elementary teacher. Prerequisites: Grade of B (3.0) or higher is required in EDUC3102, EDUC3300, EDUC3305; and a passing score is required on the Massachusetts Tests of Educator Licensure (MTEL): Communication and Literacy to enroll in EDUC4201/4202.
**Course offered:** Fall, Spring.

**EDUC4202 Elementary Education Seminar 3 cr.**
Students in this seminar, taken concurrently with the Senior Practicum, discuss current issues in elementary education, reflect on and evaluate their growth in the professional teaching standards, and develop a showcase teaching portfolio integrating the Professional Standards for Teachers, philosophy of education, lesson plans and units, and self-assessments. Resume writing and interview skills are also presented.
**Course offered:** Fall, Spring.

**ENFO1101 Homeland, Private & Public Security – see JUST1101 Homeland, Private & Public Security**

**ENFO2207 Police and the Community – see JUST2207 Police and the Community**

**ENFO3001 Police Administration and Management – see JUST3001 Police Administration and Management**

**ENFO3200 Criminal Procedure and Evidence – see JUST3200 Criminal Procedure and Evidence**

**ENGF1000 Foundations of Writing 6 cr. (non-graduation credit)**
This intensive developmental writing/reading course prepares the student for college level writing. Basic elements include all of those found in ENGF 1001 at a starting point appropriate for the level of student placing into this course.
**Course offered:** Fall.

**ENGF1001 Foundations of Writing 3 cr. (non-graduation credit)**
This developmental writing/reading course focuses on structure, organization, development, and correctness of the college-level essay. Emphasis is threefold; generation and organization of ideas of sufficient depth to meet college-level writing assignments; correct execution of such assignments; review and practice of critical reading skills, including vocabulary development.
**Course offered:** Fall, Spring.
ENGL1001 English Composition I 3 cr.
A traditional freshman-level expository writing course concentrating on the principles of rhetoric. Included in the course will be numerous writing assignments, discussion and analysis of selected readings, studied for form and content, and a review of grammar and mechanics. Prerequisite: C or better in ENGF1001 or demonstrated competency in placement testing.
Course offered: Fall, Spring.

ENGL1003 Writing about Literature 3 cr.
The second half of the freshman English sequence, this course will introduce the imaginative genres of literature: poetry, short fiction, drama, and/or the novel. The course centers on finding source information and incorporating such materials fairly and effectively into argumentative and persuasive writing. Prerequisite: C or better in ENGL1001. Transfer students must have successfully completed a composition course comparable to ENGL1001 with a C or better.
Course offered: Fall, Spring.

ENGL1006 Children’s Literature 3 cr.
This course will provide a general overview of the field of children’s literature. The goals of the course are to share and develop knowledge and enthusiasm for children’s literature, to establish guidelines for evaluating children’s literature, and to develop an awareness of the various types of children’s literature. Course content includes the history of children’s literature, the importance of literature in a child’s life, ways to determine a child’s literacy preference and ways to foster early literacy in children.
Course offered: Fall, Spring.

ENGL1008 Thinking, Writing and Learning 6 credits; 10 weeks
This unique 10-week course will enable students to develop their reading and comprehension, thinking and writing skills while focusing on themes related to adult learning theory. The course will focus on developing theme, creating a solid research paper and conducting research.
Course offered: Fall.

ENGL1500 Effective Communications 3 cr.
This course offers students structured practice in the basic principles of communication. Course work emphasizes effective and correct use of language in both traditional and electronic business/professional writing. Since "communication" encompasses far more than written expression, ENGL1500 also focuses on communications within a group, oral presentation, and critical listening and thinking skills.
Meets the requirement for Communications elective. Course offered: Fall, Spring.

ENGL2003 Public Speaking 3 cr.
This course gives students training in the preparation of well-organized speeches, techniques for gaining and holding an audience, and methods to increase student confidence and poise. Students develop the skills to communicate effectively with others through practical experience in formal and semiformal speaking situations. Prerequisite: ENGL1001.
Meets the requirement for Communications elective. Course offered: Fall, Spring.

ENGL2102 Advanced Composition 3 cr.
An advanced rhetoric course that emphasizes refinement of style and critical thinking with a view towards writing argumentative essays that depend on sound inductive and deductive reasoning. Many essays are assigned that go beyond ENGL1001/1002. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Communications, Game Design and Humanities elective.
Course offered: Fall.
ENGL2200 American Literature I 3 cr. (previously ENGL3001 American Literature I)
A study of the literary periods from the Puritans to approximately 1865. Through a close study of selections from Bradford, Taylor, Edwards, Bradstreet, Franklin, Jefferson, Paine, Irving, Cooper, Bryant, Emerson, Poe, Thoreau, Hawthorne, Longfellow, Melville, Dickinson, and Whitman, the student will trace literary trends. Reading and writing intensive. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective. Course offered: Fall.

ENGL2201 American Literature II 3 cr. (previously ENGL3002 American Literature II)
The study of literary movements from Local Realists through the Contemporaries. Among the authors to be studied are: Twain, Harte, Pierce, James, Crane, Adams, Drieser, O’Neill, Anderson, Frost, Cummings, Robinson, Fitzgerald, Hemingway, Elliot, Faulkner and Miller. Students will analyze a variety of works and write essays. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective. Course offered: Spring.

ENGL2202 Introduction to Drama 3 cr.
Theories and development of tragedy and comedy plays from Ancient Greece to the Modern Era. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective and Game Design elective. Course offered: Spring.

ENGL2302 Short Story 3 cr.
This course provides a detailed study and analysis of American and European short fiction, leading to effective understanding of the basic elements of fiction: plot structure, point of view, characterization, symbol and allegory, and theme. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective and Game Design elective. Course offered: Fall.

ENGL2405 Leadership and Literature 3 cr.
This course studies various forms of literature (novels, short stories, drama, nonfiction essay) as well as films all focused on the theme of leadership. By looking at different examples of moral, visionary, innovative and controversial leadership, we shall seek answers to some of the following questions: what are the characteristics and responsibilities of a leader? How might we define a just leader? Under what circumstances might a leader ignore the will of his/her subjects or employees? When and how does a leader become a tyrant or ineffective? And, by the same token, when are subjects justified in opposing or challenging a leader? What are the barriers for women and minorities in becoming leaders? Students shall also have the opportunity to investigate and analyze local and contemporary examples of leadership. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective. Course offered: Fall.

ENGL2500 Mythology 3 cr.
A thematic survey of myth, including myths of Creation, the Flood, Destruction, the Hero, and others. Myths, legends, and fairy/folk tales from multiple cultures are examined. Writing intensive. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Game Design and Humanities elective. Course offered: Fall, Spring.

ENGL2600 Literature By Women 3 cr.
A full range of women’s writings in English from the Middle Ages to the present day. Both standard and newly discovered authors will be studied. All genres - poetry, short fiction, drama, essays, journals, and novels - will be examined. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective. Course offered: Spring.
ENGL2604 Screenwriting Basics I 3 cr.
This course introduces students to the fundamentals of screenwriting for film and digital media. Students will learn the classic screenwriting structure (3 acts), story development, character development, and the need for conflict. What is a screenplay? What is your story about? Why do we need conflict? Who is your main character (protagonist)? What does s/he want? Who is the antagonist? How do you translate your idea into a screenplay? Students will learn how to write loglines, choose a story idea, and write a beat sheet for their idea. In the last 3 weeks, students will write the first act (the setup) of their screenplay. Throughout the course, detailed notes will be given by the instructor.
Course offered: Fall.

ENGL2605 Screenwriting Basics II 3 cr.
This course is a continuation for Screenwriting Basics I. During this course, students will write Act 2 (the confrontation) and Act 3 (the resolution) of their screenplay. Students will continue to learn about the major points of the screenplay's acts (the inciting incident, Plot Point 1, midpoint, Plot Point 2, climax, and resolution). The course will also cover topics such as creating memorable characters and scenes, and writing dialogue. Student work will be evaluated and critiqued each week with detailed notes and suggestions. Using examples from popular movies, students will learn about plots points and act breaks. Students will also learn about developing memorable characters, scenes, and dialogue by using popular movies as examples. Prerequisite: ENGL2604.
Course offered: Fall.

ENGL2700 English Literature I 3 cr. – (previously ENGL3003 English Literature I)
A study of the major significant works of the masters of each literary period beginning from 449 through the Restoration. Students will study Beowulf, the Gawain post, Chaucer, Gower, Malory, the Cycle Plays, Skelton, Sidney, Shakespeare, Marlowe, Jonson, Webster, Marvel, Vaughan, Crashaw, Herrick, and Milton. Reading intensive, essay writing. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective.

ENGL2701 English Literature II 3 cr. (previously ENGL3004 English Literature II)
This course is a study of the trends and developments in English literature from the Age of Reason through the Contemporary Period. Among the writers to be studied are Pope, Swift, Fielding, Johnson, Austen, Bronte, Wordsworth, Coleridge, Byron, Shelley, Keats, Carlyle, Macauley, Mill, Newman, Ruskin, Pater, Joyce, and Virginia Wolf. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective.

ENGL3001 American Literature I 3 cr. – see ENGL2200 American Literature I

ENGL3002 American Literature II 3 cr. – see ENGL2201 American Literature II

ENGL3003 English Literature I 3 cr. – see ENGL2700 English Literature I

ENGL3004 English Literature II 3 cr. – see ENGL2701 English Literature II

ENGL3006 Coming of Age in World Fiction and Film 3 cr.
This course is intended to examine the process of coming to maturity in a variety of world cultures: Europe, the Middle East, Asia, Africa, South America and the Caribbean, the United States. Short stories and novels will be linked with films from a world region or a country in order to analyze both similarities and distinctions about the growth of an individual identity in the context of a geographic and cultural region. Some of the topics to be considered in approaching coming of age within each work/country include: relationships with parents/guardians and notion of “home”; gender roles;
community beliefs and values (politics and social realities, the outside world); peers and rebellion/turning points; romance & sexuality. Prerequisites: ENGL1001 and ENGL1003. Course offered: Spring.

ENGL3008 War in Literature and Film 3 cr.
9/11 is the defining experience for the generation coming of age in the first decades of our century. But wars have frequently shaped if not created the American experience. Seen from this broader perspective, wars are more than isolated long ago events; wars, rather, are a political and cultural phenomenon that clarify a nation’s identity – who we are or what we wish to become or to avoid. World War I, for instance, led to the disillusionment of Hemingway’s “lost generation.” The Vietnam conflict influenced the counter-culture movement still with us today. Through the study of novels, short stories, poems and films that depict war in the twentieth century, problems will be examined in representation, moral, and cultural history. Prerequisites: ENGL1001 and ENGL1003. Meets the requirement for Humanities elective. Course offered: Fall.

ENGL3100 Obsession and Violence in Shakespearean Drama and Film 3 cr.
This course examines the profound cultural, social, religious, and gender anxieties of the half-century between 1580 and 1630, anxieties that were manifested in dramas by Shakespeare and his contemporaries; these plays are replete with violence, sexual assaults, murders. The readings will include cultural background to the dramas – the violence of royal power (Elizabeth I’s murderous road to succession, James I’s witch hunts), the obsession for control in matters of religion, morality, sexuality, and women. The texts of plays by Shakespeare and his contemporaries will also be paired for analysis of the influence of one dramatist on another, the treatment of the theme of violence and obsession. Film adaptations will serve to study the impact of changes made to a text when it is remade into film. Course work includes weekly papers, four online discussion forums on assigned topics, oral presentations, an annotated bibliography for a research topic, a longer paper (c. 20 pages) about one of the plays read and its relation to theatrical or cultural context. Prerequisites: ENGL1001 and ENGL1003. Meets the requirement for Humanities elective. Course offered: Fall, Spring.

ENGL3205 Creative Writing 3 cr.
This 3000-level course focuses on analyzing imaginative literature and writing in the major genres in creative writing (fiction and poetry). The course is both a continuation and a development of the Freshmen English Sequence. In its reading component the course instructs students on paraphrase, imitation, explication, and analysis. In its writing segments the course emphasizes craft (plot, point of view, character), form (sonnet, free verse), and style (connotation, imagery, figures of speech). Students shall turn in three creative writing submissions as well as take unannounced quizzes, a midterm and a final examination on the assigned readings and lectures. Prerequisites: ENGL1001 and ENGL1003. Meets the requirement for Game Design and Humanities elective. Course offered: Spring.

ENGL3206 Creative Nonfiction: Telling True Stories 3 cr.
This course focuses on analyzing as well as writing in the principal genres in Creative Nonfiction (autobiography, memoir, documentary writing, and cultural criticism). In its reading component this course instructs students on explication and analysis. In its writing segments the course emphasizes craft (narrative suspense, characterization, structure), technique (observation, interview, research), and style (rhetorical schemes, diction, syntax). Prerequisites: ENGL1001 and ENGL1003. Meets the requirement for Humanities elective. Course offered: Fall.
ENGL3509 World Literature 3 cr.
This 3000-level course analyzes Western imaginative writing in the context of world literature. The course thus assesses thematic concerns of the Western canon (by writers such as Keats, Tolstoy, Hoffman), and of those in literature less often represented in literary assessments - works from the Middle East, the Far East, Africa, and Latin America by writers such as Tagore, Achebe, Garcia Marquez, and so on. The course, consequently, examines individual works of art as both a specific and singular meditation (upon a theme, topic, situation) and a response to predecessors and to contemporaries. In its evaluation of aesthetic and ethical concerns, the course emphasizes the permeability of cultures and broadens the student's sense of literary traditions. Students shall submit three written assignments as well as take unannounced quizzes, a midterm and a final examination on the assigned readings and lectures. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Global Awareness and Diversity and Humanities elective.

ENGL3604 Writing for Digital Media 3 cr.
Writing for digital media is very different from writing for print, film, television, or other traditional media. As more people go online for their education, information, and entertainment, it's important to write effectively for online audiences - whether you're interested in writing your own blog, daily newspaper, or interactive media. The Internet has empowered the aspiring creative to be a writer, producer, editor, publisher, consumer, and reader all rolled into one. How can you make your writing stand out? How can you use different media elements to support your story? The course will give students the tools to deliver effective storytelling and writing in their digital media projects. Prerequisites: ENGL2604 and ENGL2605.

ENGL3605 Writing for Animation 3 cr.
This course will focus on short-form animation writing (i.e. web/television) rather than feature film writing. Writing for animation is different from writing live-action because the writer must also think as a director. In animation writing, details must be written out, most often with camera angles, sound effects, and other characteristics. It's also a different kind of challenge because the scripts tend to be more action-packed and not as dialogue heavy. Whether it's writing for a 5, 7, 11, or 22-minute episode, this class will teach students the fundamentals of writing children's animation. Prerequisites: ENGL2604 and ENGL2605.

ENGL3704 Contemporary American Poetry 3 cr.
This course will concern the poetic practice, theories and trends of contemporary and American poetry and poetics, from 1945 to the present. Students will read and analyze the works of such major poets as A.R. Ammons, John Ashbery, John Berryman, Elizabeth Bishop, Robert Bly, Gwendolyn Brooks, Robert Creeley, Rita Dove, Allen Ginsberg, Donald Hall, David Ignatow, Galway Kinnell, Carolyn Kizer, Stanley Kunitz, Denise Levertov, Robert Lowell, Mary Oliver, Charles Olsen, Adrienne Rich, Sylvia Plath and Richard Wilbur. Students will also be expected to write numerous critical papers and attend local poetry readings during the summer. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective. Course offered: Spring.

ENGL3705 African-American Poetry from 1945 3 cr.
African-American poetry from 1945 to the present including works by Hayden, Brooks, Evans, Walcott, Sanchez, Baraka, Clifton, Harper, Gilbert and Dove. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective. Course offered: Spring.
ENGL3801 American Short Story 3 cr.
This reading and writing intensive course will deal with the American short story from a historical perspective as well as provide the student with a review of the aspects of fiction. The course will approach the American short story from a historical perspective beginning with the country's earliest practitioner, Washington Irving, and cover the major American authors who used and perfected the form. The course will also place the selections within the major literary movements and demonstrate how selected short stories are characteristic of or anticipate literary trends. The student will be asked to present papers on certain aspects of various selections after close reading of the texts and relevant scholarship. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective. Course offered: Fall.

ENGL3802 African-American Novel 3 cr.
The rise and development of the African-American novel from the 19th through the 20th centuries beginning with its origins in the slave narrative and including works by Jacobs, Harper, Chesnutt, Dunbar, Toomer, Hurston, Wright, Petry, Ellison, Baldwin, Morrison, Walker and Wideman. Prerequisites: ENGL1001 and ENGL1003.
Meets the requirement for Humanities elective. Course offered: Fall.

ENVS1001 Environmental Science I 4 cr.
A two-semester course for people with a non-science background. Provides a foundation for understanding the environmental problems we face and finding ways to solve them. Topics include: population dynamics, resource management, weather and the greenhouse effect, endangered species, geological hazards, and air and water pollution. Field trips and laboratory work.
Meets the requirement for Science elective. Course offered: Fall, Spring.

ENVS1001A Environmental Science I 3 cr.
This course is the same as ENVS1001 except there is no lab. Restrictions: This course is only available for Accelerated Students.
Meets the requirement for Science elective.

ENVS1002 Environmental Science II 4 cr.
A continuation of ENVS1001.
Meets the requirement for Science elective. Course offered: Spring.

ENVS1002A Environmental Science II 3 cr.
A continuation of ENVS1002 except there is no lab. Restrictions: This course is only available for Accelerated Students.
Meets the requirement for Science elective. Course offered: Spring.

EQST1001 Foundations in Riding I 3 cr.
This course is designed to introduce the student to the basic concepts of horsemanship and equitation. The course is directed at students with no or limited prior riding instruction. The course includes both lecture and in-saddle work. (1 hour lecture and 2-2 hour labs). Students with previous riding experience may ask to test out of this course. An additional elective will then replace this course to maintain the credit load. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of $775 for this course.
Meets the requirement for Equine elective. Course offered: Spring.
EQST1002 Foundations in Riding II 3 cr.
This course is a continuation of EQST1001 with further development of riding skills and the improvement of seat, balance and the feel of the horse. Development of good riding technique is important before the student can go on to learn how to instruct. Students testing out of Foundations in Riding I, will still be required to take this course. The course includes both lecture and in-saddle work. (1 hour lecture and 2-2 hour labs). Prerequisite: EQST1001 or permission of instructor. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of $775 for this course.
Course offered: Fall, Spring.

EQST1601 Foundation in Equine Care 3 cr. (previously ANSC1601 Introduction to Equine Handling and Management)
An introduction to basic horsemanship. Students learn and practice fundamental skills such as handling of horses, assessment of basic horse behavior, feeding and grooming horses, cleaning of stalls, and general day to day horse care. Students are required to participate in a rotation through the barn during morning and afternoon chores. Includes two hours of lecture and two hours of lab.
Course offered: Fall, Spring.

EQST2001 Principles of Riding Instruction I 3 cr.
Includes basic equitation, with riding at all 3 gaits, transitions, and school figures. The student begins to learn how to teach a rider to maintain straightness, relaxation, rhythm and balance of the horse. (2 hours lecture and 1-2 hour lab). Prerequisite: EQST1002. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of $775 for this course.
Meets the requirement for Equine elective. Course offered: Fall, Spring.

EQST2002 Principles of Riding Instruction II 3 cr.
This course involves intermediate equitation, building on previous experience, including lateral movements and skills necessary to maneuver a jump course. Students begin to learn how to teach a rider to correct their horse and adjust to different situations. The basic differences between teaching an individual versus group lessons are discussed. The course will include lecture and riding time. Students may be required to assist in equitation and riding electives offered by the College. (2 hours lecture and 1-2 hour lab). Prerequisite: EQST2001. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of $775 for this course.
Meets the requirement for Equine elective. Course offered: Fall, Spring.

EQST2200 Equine Industry and the Law 3 cr.
This course discusses local, federal and, where appropriate, international laws as they relate to the equine industry, including laws pertinent to boarding and training, veterinary care, equine transit and drugs and medication. Other topics may include humane care of animals and the differences between regulations and laws.
Meets the requirement for Equine elective. Course offered: Spring.

EQST2801 Fundamentals of Farm and Stable Management 3 cr. (previously MGMT2801 Fundamentals of Farm and Stable Management)
This course involves operation, application, and maintenance of the farm and stable, including maintaining feed and hay supplies and other barn inventories; management of stable employees, suppliers, vendors, professional services; waste management, and tack management; equine liability laws, equine insurance concerns, and employee and customer/client relations will be discussed. Two hours lecture and a two hour lab. Prerequisite: EQST1601.
Course offered: Fall.
EQST3001 Principles of Riding Instruction III 4 cr.
This course involves advanced equitation with dressage and jumping techniques and how to teach them. The student is expected to understand how to work with the rider to achieve the desired level of riding in various situations and with varying levels of student skills. (2 hours lecture and 2-2 hour labs). Prerequisite: EQST2002. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of $775 for this course. 
Meets the requirement for Equine elective. Course offered: Fall.

EQST3100 Equine Behavior 3 cr.
Students develop an understanding of normal equine behavior, including how to influence it, and how to use it to advantage in training the horse. Prerequisite: ANSC1601; or BIOL1005, 1006 and VTSC2201.
Meets the requirement for Equine elective. Course offered: Spring.

EQST3104 Special Topics in the Equine Industry 3 cr.
Discussion of specific industry rules and requirements that may not be actual law but are a crucial part of the equine industry regulation. Topics for discussion may include drug testing of horses, show and competition requirements for horse and rider, vaccination and transport paperwork. Prerequisite: EQST2200.
Meets the requirement for Equine elective. Course offered: Spring.

EQST3200 Basic Training Methods 3 cr.
Students learn how to work with the young horse and reschool the older horse. Teaching basic manners, working in hand and on the lunge are a significant portion of the course. (2 hours lecture and 1-2 hour lab). Prerequisites: EQST3001, EQST3100. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of $775 for this course.
Meets the requirement for Equine elective. Course offered: Fall.

EQST3300 Feeds and Forages 3 cr.
This course is designed to give the student an overview of crops used as feed and forage as well as a discussion of soil types and how they affect the nutritional value of the feed and forage. Includes identification of forage groups and their use for different nutritional needs and an introduction to pesticide use and control, fertilization, irrigation and drought management, and grazing management of pastures and fields. Prerequisites: BIOL1001/1002, ANSC2403.
Meets the requirement for Equine elective. Course offered: Fall, Spring.

EQST3701 Equine Biomechanics and Conformation 3 cr.
A detailed course in conformation and the movement of joints and muscles. Students will review musculoskeletal anatomy and learn about the principles of normal equine movement. Pathology associated with poor conformation and the methods to manage poor conformation will be discussed. The role of the farrier in treatment of conformational diseases and the ability of the rider to influence the horse’s movement will be a part of the discussions. Prerequisite: ANSC2701; or BIOL1005, 1006 and VTSC2201.

EQST4200 Training Under Saddle 4 cr.
Students learn how to start a young horse under saddle, develop balance and athletic ability/conditioning in the horse and introduce new skills leading to eventual competition. (2 hours lecture and 2-2 hour labs). Prerequisite: EQST3200. Students who are not Equine Studies or Equine
Management majors will be charged an additional fee of $775 for this course.

Meets the requirement for Equine elective. Course offered: Fall.

EQST4201 Equine Pathology and Diseases 3 cr.
This course presents an overview of the most common diseases specific to horses, how these diseases develop and may progress. Discussion of therapies and diagnostics is also included. Prerequisite: ANSC2701; or BIOL1005, 1006 and VTSC2201.


EQST4500 Equine Facilities Management 3 cr.
This course is designed to be a follow-up to EQST2801. Discussion of information from the previous course expands to include planning, financing and construction of the facility, and operational concerns such as waste management, ventilation, fencing, and feed storage. The specific needs of different types of facilities such as breeding, boarding, and training will be addressed. Students taking this course will be required to prepare a working plan for management of a theoretical facility. Includes two hour lecture and two hour lab. Prerequisite: EQST2801.

Meets the requirement for Equine elective. Course offered: Spring.

EQST4906 Externship Module Ia 3 cr.
This course incorporates on-site training in the student’s area of interest. The student will be required to fulfill 200 hours at a site chosen with the externship coordinator. While at this site the student will be expected to act in a professional manner as a representative of the College while she/he learns new skills and techniques. They will be required to write a comprehensive report at the end of the Internship discussing the activity and knowledge gained at the site. Prerequisite: Senior status in the Equine Studies or Equine Management Program or advisor’s and Director’s approval.

Meets the requirement for Equine elective. Course offered: Fall, Spring.

EQST4908 Externship Module Ib 3 cr.
Same as EQST4906. Prerequisite: Senior status in the Equine Studies Program or advisor’s and Director’s approval.

Course offered: Spring.

EXSC1000 Sports and Exercise Skills Instruction
The student is prepared to perform instruction in team and individual sports skills and in fitness exercise skills through the one credit courses listed below. Students in the Health and Fitness concentration of Exercise Science may take no more than 3 of these courses to meet a graduation requirement of an open elective.

Course offered: Fall.

EXSC1001 Strength and Conditioning Skills (prior to fall 2011 this course known as Conditioning)
EXSC1002 Pedagogy
EXSC1003 Gymnastics
EXSC1004 Field Hockey
EXSC1005 Soccer
EXSC1006 Volleyball
EXSC1008 Aerobics
EXSC1009 Project Adventure
EXSC1101 Archery
EXSC1102 Badminton
EXSC1103 Bowling
EXSC1105 Sport Skills Instruction
EXSC1106 Tennis
EXSC1107 Yoga
EXSC1108 Social Dance

EXSC1205 Health and Fitness Skills 3 cr.
This course focuses on the basic concepts of fitness, exercise and conditioning. Students will participate in a wide variety of health and fitness assessments and physical activities to improve health and fitness levels. The course emphasizes the development of exercise skills and understanding exercise terminology and prescription, and introduces concepts related to teaching fitness skills to the general population.
Course offered: Spring.

EXSC1500 Stress Management 3 cr.
This course helps students to understand how events and activities of daily life can be perceived as stressful, causing negative effects on one’s health and well-being. It encourages students to discover their own personal sources of stress, their reactions to stress, and ways to better manage it. Concepts are applicable to education, sports, agency, and corporate settings.

EXSC2105 Teaching Sports Skills 3 cr.
This course focuses on the concepts related to organizing, implementing and teaching individual and team sports. Students will participate in a wide variety of sports and activities with emphasis on skill development as well as theory. The benefits of team and individual sports in personal health as well as in the corporate environment will be emphasized. This course involves activities outside of the traditional academic schedule, integrating lecture as well as skills lab. This course does NOT meet the requirement for an EXSC approved elective for students in the SPMG program.
Course offered: Fall, Spring.

EXSC2202 Emergency Responder 3 cr.
The purpose of the comprehensive American Red Cross Emergency Response course is to provide the first responder with the knowledge and skills necessary in an emergency to help sustain life, reduce pain, and minimize the consequences injury or sudden illness until more advanced medical help can arrive.
Meets the requirement for Health Education elective. Course offered: Spring.

EXSC2203 Personal and Community Health 3 cr.
This course is designed as an introductory course to provide students with information in the following areas: exercise, stress, nutrition, weight management, contraception, sexuality, intimate relationships, death and dying, HIV infection, STDs, tobacco drugs, and alcohol.
Meets the requirement for Health Education and Psychology elective. Course offered: Fall, Spring.

EXSC2204 Fitness for Life 3 cr.
This course introduces the student to the many components of physical fitness and wellness. Each student will have the opportunity to participate in discussions and activities that can help them assess their own level of fitness and its relationship to wellness. Course materials enable the student to initiate his or her personal healthy lifestyle program. Lecture topics include: health promotion and disease prevention, physical fitness, weight management, adaptation to the aging process, and personal safety.
Meets the requirement for Exercise Science Sport Management, and Health Education elective.
Course offered: Fall, Spring.
EXSC2205 Structural Kinesiology 3 cr.
This course introduces basic mechanical concepts related to human movement. Through lecture and laboratory activities, the student studies the skeletal anatomy, structure and function of the joint, voluntary (skeletal) muscle, and muscle group involvement in selected activities. Emphasis is on normal human structure and function, but abnormal movement leading to athletic injuries is also addressed. **Meets the requirement for Exercise Science Sport Management elective and Science for Biology elective. Course offered: Fall.**

EXSC2705 Advanced Personal Trainer 4 cr.
This course is specifically designed to prepare students who seek certification (although it is optional) from the national recognized organizations such as the National Council of Strength and Fitness (NCSF) and American College and Sports Medicine (ACSM) as (advanced) personal trainer. The course helps students building up the foundation for study in a wide range of Health and Fitness related fields, such as exercise physiology, biomechanics, and nutrition. Particular attention is placed upon the applications of structural kinesiology to a variety of exercises. The assessment and prescription in health and fitness are also introduced. Prerequisite: EXSC2205. **Meets the requirement for Exercise Science Sport Management elective. Course offered: Spring.**

EXSC3005 Biomechanics in Sports 4 cr.
This course provides a systematic introduction to the major principles of biomechanics, emphasizing the contributions that biomechanics makes to the understanding of human movement. The objective of this course is also to develop an awareness of selected mechanical and anatomical concepts related to human performance and injury prevention. Prerequisite: EXSC2205. **Meets the requirement for Exercise Science Sport Management elective. Course offered: Spring.**

EXSC3105 Nutrition 3 cr.
This course helps students to understand the processes involved in nourishing the body. It includes the study of nutrients, their physiological functions, and their interrelationship within the body. Course content and materials focus on the importance of making food choices that minimize the risks of developing nutrition-related diseases. The course uses the United States Department of Agriculture’s most current Dietary Guidelines for Americans in order to help students identify the characteristics of a nutritious diet. This course also offers opportunities for students to examine and discuss the value of and scientific basis for consuming various dietary substances promoted in the media. Examples include antioxidants, dietary supplements, and ergogenic aids. Prerequisite: Sophomore standing. **Meets the requirement for Exercise Science Sport Management, Health Education, Science for Biology elective and Science elective. Course offered: Fall.**

EXSC3201 Consumer Health 3 cr.
This course is designed to help people make informed decisions regarding their evaluation and understanding of health products and services. Some topics to be covered include health insurance, food buying, quacks, fad diets and understanding the misconceptions concerning health. **Meets the requirement for Exercise Science Sport Management and Health elective. Course offered: Spring.**

EXSC3205 Drugs and Society 3 cr.
This course exposes students to biopsychosocial models used to explain substance use, abuse, dependency, and addiction. Students gain an understanding of genetic, physiological, and neurobiological factors contributing to alcohol use and abuse, as well as familiarity with the impact of
these behaviors on the individual, the family, and the community. Specific attention is given to the roles of gender, age, culture and religious training as they relate to pattern of use. **Meets the requirement for Exercise Science Sport Management, Health Education, Psychology, and Social Science elective.** Course offered: Fall, Spring.

**EXSC3300 Exercise Physiology 4 cr.**
Through classroom lecture and laboratory activities, this course provides students with an opportunity to observe and discuss the acute responses and chronic adaptations of the human body to physical activity. Mechanisms of neuromuscular, metabolic, cardiorespiratory control and adaptation during and after exercise activity are emphasized. The environmental influences on human performance and health related aspects of exercise are also discussed. Prerequisites: BIOL2503 and BIOL2504.  
**Meets the requirement for Exercise Science Sport Management, Science for Biology elective and Science elective.** Course offered: Spring.

**EXSC3500 Human Sexuality 3 cr.**
The cultural, psychological, ethical and biological aspects of sexuality are examined. The focus of this course is the multiple roles which include a component of sexuality education as a component of human health and wellness. Students examine their own views regarding sexuality in order to prepare them to function more effectively within those roles. **Meets the requirement for Exercise Science Sport Management, Health Education, Psychology, and Social Science elective.** Course offered: Spring.

**EXSC4105 Principles of Strength and Conditioning 3 cr.**
This course integrates the knowledge and skills acquired in previous courses which are essential to become a Certified Strength and Conditioning Specialist. Students will learn the latest scientific principles and theories and understand the purpose of using correct forms of exercise, different arrangements of training system, and principles of periodization. Upon completion of this course, students will be able to design sound personalized strength and conditioning programs for athletes of all types for various sports. Prerequisite: EXSC2705 Advanced Personal Trainer.  
Course offered: Fall.

**EXSC4205 Lifespan Motor Development and Learning 3 cr.**
The aim of this course is to provide students with an introduction to basic physiological, psychological and biomechanical foundations of human motor control. The main goal is to provide an overview of the mechanisms of how we control our movements, how perception and movement are integrated, how aging affects motor control, and how new movement patterns are acquired during skill acquisition and motor development. Prerequisite: EXSC2205.  
Course offered: Spring.

**EXSC4800 Assessment & Prescription in Health & Fitness 4 cr.**
This is an advanced health and fitness class. This course covers thoroughly the process of assessment and prescription in health and fitness. Students will learn how to use relevant fitness testing equipment, learn the guidelines and protocols for safe and effective exercise testing for normal and special populations, and learn how to prescribe appropriate exercise programs according to individual needs. The course will emphasize application and hands-on activities and use varied methodologies, such as laboratory activities, case studies, and course projects (or community service). Prerequisite: EXSC2705.  
**Meets the requirement for Exercise Science Sport Management elective.** Course offered: Fall.

**EXSC4908 Internship in Health/Fitness 6 cr.**
The primary purpose of the practicum experiences is to expose the students to “real world” work
experience. Arrangements will be made for the student to work and function within one or more related sites of their interest, such as health and wellness clubs, corporate and commercial fitness facilities, clinical rehabilitations, community health service programs, or work with certified strength and conditioning coach (or athletic trainer) in sports teams. The field experience will be paired seminars, which will provide students with an opportunity to discuss and share their experiences. A minimum of 280 intern hours are required. These intern hours include the field experience, seminar, and any related activities, such as designing program or research, conducted at home or library. Prerequisite: approval of the program director.

**Course offered: Fall, Spring.**

**FINA2700 Personal Financial Management 3 cr.**
The development of personal investment strategies using money and credit, securities and portfolio management, budgeting, insurance, taxes, retirement programs, and estate planning.

**FORE2001 Introduction to Forensics 4 cr.**
An introduction to the field application of biology, chemistry, and physical sciences to the examination/collection methods of forensic evidence at a crime scene. Exploration of the underlying physiological and biochemical basis for forensic methods; laboratory analysis includes microscopy, chromatography, hair, fingerprints, serology and introduction to DNA profiling. A grade of C or better is necessary for graduation in the Forensic Science/Crime Scene Investigation concentration.

**Meets the requirement for Science for Biology elective and Science elective. Course offered: Fall.**

**FORE2002 Collection/Preservation of Evidence 4 cr.**
A continuation of FORE2001. Continued exploration into examination and collection methods used to identify evidence of criminal activity, including chemical techniques for developing fingerprints, blood isozymes, PCR for DNA profiling, drug identification and ELISA. Prerequisite: FORE2001. A grade of C or better is necessary for graduation in the Forensic Science/Crime Scene Investigation concentration.

**Meets the requirement for Science for Biology elective and Science elective. Course offered: Spring.**

**FORE3100 Criminal Investigation 3 cr.**
Examines the evolution of the investigative process. Interviewing and interrogation techniques will be studied, along with gathering and organizing information and evidence. Areas of study will include crimes against persons, crimes against property, enterprise crimes, technology crimes, and terrorism. The use of critical thinking and analytical skills, within the framework of the investigative process, will be emphasized.

**Course offered: Fall**

**GAME1001 History of Game Development 3 cr.**
This course covers the history and evolution of electronic game development, focusing on design elements, technical innovations, societal influence, and the impact of marketing. The course will dissect the roles of programmers, designers, artists, and writers, as well as provide an overview of various software and hardware developments for the gaming industry. Students will gain a global and historic view of the interactive media field and its origins.

**Meets the requirement for Art elective. Course offered: Fall, Spring.**

**GAME1002 Introduction to Game Design - see Game1120 Introduction to Game Design**
GAME1120 Introduction to Game Design 3 cr. (previously Game1002 Intro to Game Design)
This course serves to introduce the various aspects of game design for those intending to work as part of management, production, and/or design teams. The student will begin with an analysis of gaming, with consideration of various platforms, game genres, playability, objectives, rule dynamics, and overall quality. Further, the student will learn the elements of production including game conceptualization, story development, and interface, character, and soundtrack, and level design.
Meets the requirement for Art elective. Course offered: Spring.

GAME2110 Storyboarding Animation 3 cr. (previously GAME2400 Storyboarding Animation)
This course covers the design process of storyboarding which encompasses the fundamentals in the pre-production phase of any digital video, multimedia, or computer gaming project. During the first phase, students will learn the value of project management, presentation skills, and effective communication. Second phase lessons include the technical aspects of planning scenes with consideration given to scene set up, stage mapping, virtual or physical camera angles, and object and character movement. Emphasis will be placed on visually translating written descriptions and rendering genre and tone through effective visual blocking. Production techniques include the use of traditional drawing materials to formulate sketches, text description boards, and prototype digital renderings. Prerequisite: ARTS1100; Students with significant drawing experience may apply to the instructor for permission to take this course concurrently with ARTS1100.
Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.

GAME2120 Intermediate Game Development 3cr. (Previously GAME2200 2D Animation)
This course introduces students to more advanced concepts in game design and development such as ideation, digital prototyping, interface design, usability testing, team work, project scoping and management. The main emphasis of the class is on the conceptualization of innovative design goals and the execution of those goals in the form of a complete, polished intermediate game project. Prerequisite: GAME 2110 Storyboarding Animation OR Game 1120 Intro to Game Design.
Meets the requirement for Art elective. Course offered: Fall, Spring.

GAME2170 Scrum Management  3cr.
In this course, the student will learn how to apply Agile and Scrum techniques to manage software and interactive media development projects. Through immersive and evolving case studies and other activities, the student will acquire the theory, practical knowledge and skills to plan, manage and close a software/game development project. Prerequisites: MGMT1000 or GAME1120.
Meets the requirement for Art elective. Course offered: Fall, Spring.

GAME2200 2D Animation - see GAME2120 Intermediate Game Development

GAME2301 Organic Modeling 3 cr.
This course covers the techniques involved in building organic 3D models using industry standard modeling-specific applications. Emphasis is placed on human and non-human figure study, its importance the modeling process, and the utilization of application tools for an efficient production pipeline. Methodologies for building animation-ready assets from concept sculpts will also be explored.
Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.

GAME2302 Rendering & Compositing 3 cr.
This course covers the techniques involved in preparing 3D models for the rendering process. Students will design complex shading networks, explore various light types and attributes, and build lighting rigs common to the animation, visual effects, and gaming industries. Additionally, tools and concepts
related to the compositing process are explored including the utilization of render layers and render passes.
Meets the requirement for Art and Game Design elective. Course offered: Fall.

GAME2400 Storyboarding Animation - see GAME2110 Storyboarding Animation

GAME2701 Digital Audio Production 3 cr.
This course explores the fundamentals of the medium of sound and processes of sound-design, with the goal of understanding, articulating, and creating audio assets for games. Through demos and creative projects, students will experiment with the essential building blocks of sound and explore audio principles such as acoustics and perception, the use of microphones and digital recording hardware, editing, signal-processing and mixing using ProTools, Foley recording and sound-effect production, sampling and MIDI, audio synchronization to video, and applications of audio assets in digital-media and game development. The course sets a solid foundation for the understanding of sound while developing a strong toolset for working within the medium. This course meets the requirements for a Game Design or Game Programming elective. No previous experience with sound or music is required. There are no prerequisites for this course.
Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.

GAME2702 Digital Music Studio 3 cr.
This course explores the world of MIDI and sound-design through virtual-instruments and synthesized techniques. Through demos and creative projects, students will learn essential building blocks of synthesized sounds by using virtual-instruments in ProTools, interfacing MIDI controllers with software, creation of sound-effects through synthesized means, basic rhythmic and tonal music theory, and the creation of musical assets for games. The course sets a solid foundation for the understanding of sound-design and a historical context for the field of Game Audio, while developing a strong toolset for working within the medium. This course meets the requirements for a Game Design or Game Programming elective. No previous experience with sound or music is required. There are no prerequisites for this course.
Meets the requirement for Art and Game Design elective. Course offered: Spring.

GAME2703 Music Theory 3 cr.
This course explores the fundamentals of music theory, with the goal of understanding and creating music for games. Topics cover the fundamentals of music theory including rhythms, scales, intervals, chords, keys, harmony, and modulations. Composition concepts are also introduced and explored. The course sets a solid foundation for the understanding and application of musical terms and structures in the development of game audio, and a historical context for game music. This course meets the requirements for a Game Design or Game Programming elective. No previous experience with sound or music is required. There are no prerequisites for this course.
Meets the requirement for Art and Game Design elective. Course offered: Spring.

GAME3100 Game Programming 1 - see GAME3135 Game Programming 1

GAME3102 Game Programming 2 - see GAME3145 Game Programming 2

GAME3111 Computer Illustration for Game Design 3 cr. (Previously GAME3500 Computer Illustration for Game Design)
This course covers the creation and implementation of computer graphics within the framework of multimedia and game design. Students will learn how to use computer graphic software such as Adobe Illustrator and Adobe Photoshop to render image files for use in the digital medium. Each phase of
graphic creation will be considered including digitizing a base image, creating and manipulating a digital graphic directly within one of the software packages, importing and exporting between programs, and outputting to any one of various suitable graphic formats. Emphasis will be given to designing graphics for digital video, animation, multimedia design, online development, and game production. Prerequisite: GRPH2130 Techniques of Raster Imaging.

**Meets the requirement for Art and Game Design elective. Course offered: Fall.**

**GAME3120 3D Modeling 3 cr. (Previously GAME2300 3D Modeling)**
This course covers the principles and techniques involved in creating 3 dimensional media. Students will learn the step by step process of 3D graphics including modeling with NURBs, polygons, and subdivisions using sophisticated 3D software such as Maya. They will also acquire skills in texture design and UV Mapping skills, lighting, scene setup and rendering.

**Meets the requirement for Art elective. Course offered: Fall.**

**GAME3130 3D Animation 3 cr. (Previously GAME3301 3D Animation)**
This course covers the techniques involved in animating 3D models in 3D scenes utilizing sophisticated software such as Maya. Students will learn the process of creating and building a 3D scene from objects, lighting placement, and camera manipulation. Furthermore, the animation of characters including model skeleton building, rigging, and key frame animation will be covered in detail. Prerequisite: GAME3120 3D Modeling.

**Meets the requirement for Art elective. Course offered: Spring.**

**GAME3135 Game Programming I 3 cr. (Previously GAME3100 Game Programming 1)**
This course provides a review of the fundamentals of C++, the standard language of the game industry, and builds on those fundamentals to create moderately complex games. Beginning with simple games, the course progresses through more interesting game functions: game loops, using and creating software objects, using functions to break game programs into manageable chunks of code, how to address and manipulate computer memory, and define objects in terms of other objects. Prerequisite: CPTR2300 Data Structures.

**Meets the requirement for Art and Game Design elective. Course offered: Fall.**

**GAME3145 Game Programming II 3 cr. (Previously GAME3102 Game Programming 2)**
This course focuses on the subject of game programming using a third party 3D game engine to provide a uniform interface for audio, 3D visuals, and device input. Students will use open source multi-platform, tools and game libraries, such as those available in Torque to produce platform independent code. Students will also have the opportunity to interact with the online game programming community to further develop their skills. Prerequisite: GAME3135 Game Programming I.

**Meets the requirement for Art and Game Design elective. Course offered: Spring.**

**GAME3150 Level Design 3cr.**
This course teaches the concepts and skill sets involved in creating successful levels within any game format. Emphasis will be given to integrating levels within a given game design, construction guided by balance and rhythm, and approaches for handling technical and environmental limitations. Students will develop levels for existing game engines as well as utilizing original game aesthetics. Prerequisite: GAME2120 Intermediate Game Development which may be taken concurrently.

**Meets the requirement for Art elective. Course offered: Fall.**

**GAME3160 Machinima 3cr. (Previously GAME3200 Digital Audio Video)**
This course covers the technical aspects of working within the challenging medium of digital audio and video production. With a focus on using non-linear editing methods, students will be able to take full
advantage of digital editing processes utilizing the latest in audio and video software such as Sound Forge, Adobe Premiere, and Adobe After Effects. Students will cover all aspects of the production process including audio and video recording and capturing, digital editing of sound and video, special effects generation, and final preparation for use in interactive media such as DVDs, advanced video games, and the World Wide Web - each with its own technical and production requirements. Prerequisite: GAME2110 Storyboarding Animation. 

Meets the requirement for Art and Game Design elective. Course offered: Spring.

GAME3170 Game Production and Prototyping 3 cr. (Previously GAME3300 Game Production and Prototyping)
This course teaches the fundamental principles and strategies of game production and prototyping, allowing the student to assume the role of project producer. Students will learn the core elements of game assembly, project management, development tracking and troubleshooting. They will become familiar with the procedures necessary for successful game development, from the conception stage and on through the implementation stage, covering the various technologies prevalent in the game design industry. Production focus will be on prototyping, planning, implementation, testing, and tracking across financial and technological constraints. Prerequisite: GAME2120 Intermediate Game Development; Students with previous game design experience may apply to the instructor for permission to take this course concurrently with GAME1001. 

Meets the requirement for Art elective. Course offered: Fall, Spring.

GAME3200 Digital Audio Video - see GAME3160 Machinima

GAME3300 Game Production and Prototyping - see GAME3170 Game Production and Prototyping

GAME3301 3D Animation - see Game3130 3D Animation

GAME3302 Rigging for Animation 3 cr.
This course covers the techniques involved in preparing 3D models for the animation process. Students will design efficient and intuitive rig systems using popular industry tools such as bones, joints, control objects, and constraints. Furthermore, the process of skinning and application interoperability will be explored.

Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.

GAME3500 Computer Illustration for Game Design - see GAME3111 Computer Illustration for Game Design

GAME3701 Music Composition for Games 3 cr.
The course explores advanced game music production concepts and techniques. Topics build on the Music Theory class and cover scoring, arranging, and orchestration. Adaptive and non-linear audio concepts are introduced in the context of gameplay, as well as subjects such as looping, branching, and randomization, transition matrices, algorithmic operations, and creating multi-layered stems. Concepts are introduced and explored through applied creative projects. Historical context is given within the development of game music. This course meets the requirements for a Game Design or Game Programming elective. Prerequisite is Music Theory.

Meets the requirement for Art and Game Design elective. Course offered: Spring.

GAME3702 Sound-Design Toolbox 3 cr.
This course surveys advanced sound-design tools and software used by professionals in the industry and expands upon skills from Digital Audio Production and/or Digital Music Studio. Numerous synthesis
techniques and procedures are covered such as advanced analog emulation and subtractive synthesis, FM, wave-table, granular, and semi-modular synthesis, physical modeling, software samplers, and signal processing through effects. Tools created by independent designers will also be implemented and critiqued. Students will use these tools for advanced sound production and the development of audio assets for games. This course meets the requirements for a Game Design or Game Programming elective. Prerequisite is either Digital Audio Production or Digital Music Studio.

Meets the requirement for Art and Game Design elective. Course offered: Fall, Spring.

GAME4115 Artificial Intelligence 3cr.
This course provides an overview of the field of artificial intelligence with special attention to uses in the electronic gaming field. Students will develop logic grids for intelligent agents, discuss how learning and communication are integral elements of artificial intelligence. Philosophical discussion of such concepts as intelligence, cognition, learning, and the Turing test will be addressed. Prerequisite: GAME3145 Game Programming I.

GAME4120 Literary Development of Virtual Worlds 3cr.
This course looks at traditional storytelling and literary development. Students will then apply classical techniques to the development of virtual worlds, both through non-linear narrative and 3D deployment of literary creations. Prerequisite: GAME3150 Level Design.

Meets the requirement for Art and Game Design elective. Course offered: Fall.

GAME4300 Career Internship 3cr. (Meets requirement of ARTS4500 for Game Design and Game Programming students)
The junior or senior student is required to pursue an internship with a local professional design firm in which the student can apply his/her academic experience to the professional working environment. The student intern works under the supervision and guidance of a faculty member in partnership with the student business supervisor. Prerequisite: GAME3120 3D Modeling or GAME3135 Game Programming I.

Course offered: Fall, Spring.

GAME4301 Character Animation 3 cr.
Animated characters are becoming increasingly popular as pivotal assets in animation, storytelling, and simulation related industries. The fundamentals of creating animation lie in the ability to generate believable characters that have emotion and life. This course will explore tools and techniques used in the animation industry to design convincing character animations including blocking, breakdowns, non-linear, and procedural animation. Prerequisite: GAME3302 Rigging for Animation.

Meets the requirement for Art and Game Design elective. Course offered: Fall.

GAME4400 Advanced Topics in Game Development 3cr.
Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived at http://www.becker.edu/academics/course-descriptions/special-topics-courses. Student may take course multiple times to earn credit for a different topic. Prerequisite: GAME3120 3D Modeling or GAME3135 Game Programming I.

Meets the requirement for Art elective. Course offered: Fall, Spring.

GAME4510 Senior Game Project I 3 cr. (Previously GAME4801 Sr. Game Project 1)
This senior-level seminar is flexible in both format and content due to the ever advancing technology within the field of game design and represents the culmination of the student's Bachelor of Arts in Game Design experience. Working with the professor, students will select an appropriate topic for the
design of an original interactive gaming project which will result in a presentation of associated
development stages and final program. The thesis work will allow students to produce an advanced,
cohesive project based on their accumulated course work within the major and further focused research
and development for this seminar. It is intended to simulate the real-world experience of game project
developer/designer. Prerequisite: GAME3120 3D Modeling or GAME3135 Game Programming I.
Course offered: Fall

GAME4520 Senior Game Project II 3 cr. (Previously GAME4802 Sr. Game Project 2)
This semester long seminar is designed to allow students to concentrate on one of two aspects of game
development while working as part of a complete project team. Working under the supervision of the
professor, students will be divided into two departments to simulate the real-world environment of game
production. Students will work in either narrative and design development or in interactive
development and production. The thesis project will require ongoing professional communication
between the two departments, while individual team member work will result in a large body of original
graphic, video, audio, and programming pieces for integration into a cohesive final project. The
students will present their project to a panel of department faculty, accompanied by developmental
presentations and drafts utilized during the semester to represent the process involved. The course is
intended to draw on students' previous coursework and research. Prerequisite: GAME3120 or
GAME3135.
Course offered: Spring.

GAME4610 Portfolio 3cr.
A professional review of a student’s cumulative work toward the degree is provided. The student spends
the semester gathering work, updating items, participating in critiques, and creating a professional
presentation of his/her work which is meant to be shown for career and graduate school opportunities.
Prerequisite: GAME4510 Senior Game Project I.
Course offered: Fall, Spring.

GAME 4701 Game Audio Production Studio 3 cr.
The overall purpose of this course is to design and create a fully realized game audio production to be
implemented in a working game, in tandem with the Senior Game Project course. The course involves
creating all audio assets to be used in-game including sound-effects, music, and voice-overs, and the
implementation of adaptive audio theories, real-time mixing, and middleware. Topics build on previous
sound-design and composition courses. Students will work both individually and as a team. This course
deepens the preparation of students for entry-level work in sound design and music at a game
development company or as a freelance professional. This course meets the requirements for a Game
Design or Game Programming elective. Prerequisites are either Sound-Design Toolbox or Music
Composition for Games.
Meets the requirement for Art and Game Design elective.

GAME4801 Sr. Game Project 1 - see GAME4510 Sr. Game Project 1

GAME4802 Sr. Game Project 2 - see GAME4520 Sr. Game Project 2

GOVT1108 American Government 3 cr.
An analysis of the United States national government with primary emphasis on its constitutional
structure and secondarily on its institutional development.
Meets the requirement for Social Science elective. Course offered: Fall.
GOVT1109 State and Local Government 3 cr.
An analysis of state and local government institutions in the United States with emphasis on structure, function, policies, and recurrent political problems of these institutions.
Meets the requirement for Social Science elective. Course offered: Fall, Spring.

GOVT3001 Political Theory 3 cr.
This course analyzes political thought throughout history and its impact on government and society. Students will be exposed to the work of theorists such as Plato, Socrates, Machiavelli, Montesquieu, Rousseau, Locke, Jefferson, and others who have influenced political thought.
Meets the requirement for Criminal Justice, Humanities and Social Science elective. Course offered: Spring.

GOVT4100 American Constitutional Law 3 cr.
An introduction to the complex processes involved with the development of constitutional doctrine in the United States. Students will study the major cases and Supreme Court decisions that serve as the principle vehicle for constitutional elaboration, adaptation and change. Prerequisite: GOVT1108.
Meets the requirement for Social Science elective. Course offered: Spring.

GRPH1001 History of Graphic Design 3 cr.
This course covers the major historical, technological and cultural impacts of graphic design including design movements, typographical and print advancements and important and influential designers. Graphic design history will be approached from a global perspective as the student learns about important designers and design movements from all parts of the globe starting with the earliest forms of communication all the way through modern design styles.
Meets the requirement for Art elective. Course offered: Spring.

GRPH1900 Digital Presentation 3 cr.
This course will be a combination of several applications, such as Photoshop, In Design, and Illustrator, to help the interior design students improve their font choices, layout skills, and photo manipulation for presentation purposes.
Meets the requirement for Art elective. Course offered: Spring.

GRPH2104 Graphic Design I - see GRPH2140 Graphic Design I

GRPH2105 Graphic Design II - see GRPH2150 Graphic Design II

GRPH2110 Typography 3 cr. (Previously GRPH 3400 Typography)
This course is an exploration of typography, both the history of type and the importance of typography in the design process. Students will learn the history of typography from the origin of the alphabet and the invention of movable type, to the new and modern computer generated fonts. Students will create a variety of projects ranging from the abstract, using basic letter forms, shapes and structures, to the practical designing posters, logos, typographic grids, structures and more! Students will brainstorm ideas through discussion and thumbnail sketches. Most projects will be completed using Adobe Illustrator.
Meets the requirement for Art elective. Course offered: Fall, Spring.

GRPH2120 Techniques of Vector Imaging 3 cr. (Previously GRPH2205 Electronic Illustration)
This course introduces the student to vector imaging using Adobe Illustrator to create digital illustrations. The course content will focus on drawing in the vector format using the pen and brush, making paths, masks and gradients to use as illustrations for design projects. The course will also
emphasize typography as an illustrative device as well as various techniques and tools used in the creation of line art and color illustrations.

Meets the requirement for Art elective. Course offered: Fall, Spring.

**GRPH2130 Techniques of Raster Imaging 3 cr. (Previously GRPH2600 Electronic Graphic Design)**
This course introduces the student to the process of creating and designing with Raster images using Adobe Photoshop. Students will learn the scanning process and the importance of file sizes and resolution. The course focus will be on preparing photographic images for print and web applications and the different needs of each medium. Students will learn to adjust color, work in layers, create masks, use brushes and filters and appropriate color management for print (CMYK) and web (RGB).

Meets the requirement for Art elective. Course offered: Fall.

**GRPH2140 Graphic Design I 3 cr. (Previously GRPH2104 Graphic Design I)**
The Graphic Design core sequence consists of two courses which introduce the student to concepts and facets of the design process from inception to finished product. Each course presents a combination of theoretical knowledge and practical skills that will prepare the student to enter and succeed in the professional Graphic Design field. Graphic Design I introduces the student to the history of the graphic arts. The student will learn the art, craft and skill sets needed for design, layout and production in the ever-changing world of graphic design. Manual techniques will be the foundation of the study of graphic design. Problem solving exercises using visual expression will teach the students to communicate on the graphic level. Prerequisites: GRPH 2110; GRPH 2120 or concurrent.

Meets the requirement for Art elective. Course offered: Fall.

**GRPH2150 Graphic Design II 3 cr. (Previously GRPH2105 Graphic Design II)**
Graphic Design II is a continuation of GRPH2140 Graphic Design I. This course is a combination of the theoretical knowledge and practical skills which introduces the student to concepts and facets of the design process from inception to finished product using Adobe InDesign. The course will teach students problem-solving exercises and the understanding of exactly how to communicate ideas graphically. This course develops the student’s understanding of language and terminology in electronic image assembly and electronic pre-press. The student will learn how to prepare fonts, images, and documents for printing, including bleeds, trapping, and the usage of spot (Pantone, Toyo, etc.) colors.
Prerequisites: GRPH 2130 & GRPH2140.

Meets the requirement for Art elective. Course offered: Spring.

**GRPH2160 Introduction to Web Design 3cr. (Previously COMM3300 Introduction to Web Design)**
In this course, students learn Dreamweaver, the industry standard program for web site design and production. The course will emphasize the design process from need analysis and concept creation to creating a full web site. The course covers the design and construction of Web pages and sites, with an emphasis on the design, content, storyboarding, communication and navigation processes.

Meets the requirement for Art and Game Design elective. Course offered: Fall.

**GRPH2170 Principles of Digital Imaging 3 cr. (Previously ARTS2500)**
This course introduces students to the basics of image acquisition, photographic techniques, and digital processes. Through shooting assignments and hands-on computer lab work, the students concentrate on taking the image while learning creative control and visual skills, preparing project files and outputting them to print. The students will produce a wide range of work to be used in a professional presentation. Students are required to own or have access to a camera. Prerequisite: none

Meets the requirement for Art and Game Design elective. Course offered: Spring.
GRPH2180 Animation and Motion Graphics 3 cr. (Previously COMM3503)
This course will focus on the cross-over of the basic principles of animation, motion perception, and design for the digital medium. An introduction to the techniques used in traditional animation, including conceptualization, planning, sketching, and cell creation will provide the necessary backbone for this course’s emphasis on digital 2D animation for internet communication. Students will learn how to create computer based graphics for use within digital animation software. Prerequisite: GRPH2130 Techniques of Raster Imaging.
Meets the requirement for Art and Game Design elective. Course offered: Fall.

GRPH2205 Electronic Illustration - see GRPH2130 Techniques of Vector Imaging

GRPH2600 Electronic Graphic Design 3 cr.
This course introduces the student to the process of bringing graphic design onto the computer platform. It briefly reviews the traditional layout and mechanical processes to familiarize the student with the basic procedure and terminology used in the printing process. A review and further exploration of page layout program, Quark XPress, will combine with advanced instruction on the other design standard software applications, Adobe Illustrator and Adobe Photoshop. How they work together and individually to produce finished files for printed material including stationery, product fact sheets, newsletters and multiple page brochures will be emphasized. Additionally, the student will be introduced to Adobe Acrobat and its Portable Document Format (PDF), used to create high-quality, low-memory e-mailable files from final Quark/Illustrator/Photoshop files for client review and approval. Final files will be prepared for printing. (Students who need this course should take GRPH2130 Techniques of Raster Imaging).
Meets the requirement for Art elective. Course offered: Spring.

GRPH3104 Graphic Design III - see GRPH3120 Publication Design

GRPH3110 Advanced Web Design 3cr. (Previously COMM3305 Advanced Web Design)
This course is a continuation of GRPH2160 Introduction to Web Design. The students will construct XHTML pages and use CSS to format and build the pages using the new template engine in DMX. The student will also learn how to incorporate audio and video files, JavaScript rollovers, and libraries and create dynamic interactive web pages. The dynamic integration between Dreamweaver and Fireworks will also be covered. Prerequisite: GRPH2160.
Meets the requirement for Art and Game Design elective. Course offered: Spring.

GRPH3120 Publication Design 3 cr. (Previously GRPH3104 Graphic Design III)
Advanced production of multi-page documents, such as: books, newsletters, annual reports and magazines. This course will teach students to solve problems dealing with page flow, multi-page layouts and advanced techniques of the page layout software, Adobe InDesign. This course will also emphasize advanced pre-press skills to pre-flight and package their finished designs for commercial print. Prerequisite: GRPH 2150.
Meets the requirement for Art elective. Course offered: Fall.

GRPH3130 Advertising Design 3 cr. (Previously GRPH3700 Advertising Design)
This course introduces the student to the fundamentals of advertising design and demonstrates the creative usage of words and images in effective print communications as created by an advertising agency art director. The course focuses on the creative process, on problem solving, concept development, and on the relationship between the designer, the art director, the client, and the consumer. The student will learn audience definition, client relationships, product positioning, creative strategy, and presentation skills. Emphasis will be placed on print media such as: newspaper, magazine, billboard,
d/mail and P.O.P. In-class discussions will include the principles of design, and how they are applied as a driving force in designing and executing advertising concepts. Prerequisite: GRPH2150
Meets the requirement for Art elective. Course offered: Fall.

GRPH3140 Package Design 3cr. (Previously GRPH3502 Electronic Pre-Press)
This advanced design course examines the field of package design. Students will work from concept to finished product, combining their pre-press and production knowledge to create folds, tabs and die cut designs for packaging. This course will focus on the unique problems of package design by working with students hands-on to create concepts and package designs for products. They will construct 3-D facsimiles of their designs, focusing on function and innovation. Prerequisite: GRPH 3120
Meets the requirement for Art and Game Design elective. Course offered: Spring.

GRPH3400 Typography - see GRPH2110 Typography

GRPH3502 Electronic Pre-Press 3cr.
This course further develops the students understanding of language and terminology in electronic image assembly and electronic pre-press. The student will learn how to prepare fonts, images, and documents for printing, including bleeds, trapping, and the usage of spot (Pantone, Toyo, etc.) colors. Particular emphasis will be placed on file preparation, pre-flighting, and compiling a single folder to be compressed and sent to print. Students will learn these skills using professional-level software including Quark XPress outputting module, Adobe InDesign, Acrobat, Illustrator, and Photoshop. Prerequisites: GRPH2105. (Students who need this course should take GRPH3140 Package Design).
Meets the requirement for Art elective. Course offered: Spring.

GRPH3700 Advertising Design - see GRPH3130 Advertising Design

GRPH3702 Advanced Advertising Design 3cr.
This advanced course will continue to develop the basic skills learned in GRPH3130 Advertising Design I. Emphasis will be placed on individual project research, creative interpretation, conceptual development, and final project production. This course is offered as an GRPH elective for those students who wish to expand their focus in designing for the advertising industry offering the student the opportunity to learn TV storyboarding as he/she designs TV campaigns as part of the overall advertising mix. Prerequisite: GRPH3130
Meets the requirement for Art elective. Course offered: Spring.

GRPH4100 Information Design 3 cr.
This course is a hands-on study of the graphic organization and the clear and effective presentation of information as used in the corporate environment. Corporate Design involves a multi-and interdisciplinary approach to graphic communications, combining skills and knowledge from graphic design, art history, psychology, communication theory and cultural studies. In this course, specific emphasis will be placed on the research, analysis, creation, and roll-out of a corporate identity system that includes the design and production of the corporate logo, stationary, packaging, web, signage and various collateral materials. Prerequisites: GRPH3104, GRPH3502. (Students who need this course should take GRPH4215 or GRPH4400).
Meets the requirement for Art elective. Course offered: Fall.

GRPH4210 Special Projects in Design 3cr.
This course allows students who wish to pursue in-depth various graphic design topics such as: theoretical, experimental or practical studies in cutting edge subjects. An advanced course for students to tackle modern or advanced ideas in design that are beyond the scope of the course offerings to create
finished designs in the student’s professional interests. Course will emphasize critical thinking and originality. Prerequisite: Jr. Status in Graphic Design.

**Meets the requirement for Art elective. Course offered: Spring.**

**GRPH4215 Corporate Design 3cr.**
This course is a hands-on study of the graphic organization and the clear and effective presentation of information as used in the corporate environment. Corporate Design involves a multi-and inter-disciplinary approach to graphic communications, combining skills and knowledge from graphic design, art history, psychology, communication theory and cultural studies. In this course, specific emphasis will be placed on the research, analysis, creation, and roll-out of a corporate identity system that includes the design and production of the corporate logo, stationary, packaging, web, signage and various collateral materials. Prerequisite: GRPH 3130

**Meets the requirement for Art elective.**

**GRPH4300 Career Internship 3 cr.**
The junior or senior student is required to pursue an internship with a local professional design firm in which the student can apply his/her academic experience to the professional working environment. The student intern works under the supervision and guidance of a faculty member in partnership with the student business supervisor. Bi-weekly, on-campus meetings between the student and design advisor will assure that the student is fulfilling his/her course and business obligations. A Career Internship form is required and is available at the Registrar’s office, to be filled out for approval. Prerequisite: Jr. Status in Graphic Design

**Course offered: Fall, Spring.**

**GRPH4220 Advanced Digital Photography 3 cr.**
This course will offer students interested in photography and Adobe Photoshop the opportunity to advance their skills in these areas. The course will focus on the expanding field of digital photography where students will learn skills in Photoshop to create brushes, work with channels, layers, color management, filters and image retouching and manipulation. Students will create work for fine art and commercial applications. Prerequisite: GRPH2170.

**Meets the requirement for Art elective. Course offered: Fall.**

**GRPH4400 Advanced Topics in Design 3 cr.**
Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived at [http://www.becker.edu/academics/course-descriptions/special-topics-courses](http://www.becker.edu/academics/course-descriptions/special-topics-courses). Student may take course multiple times to earn credit for a different topic.

**Meets the requirement for Art elective.**

**GRPH4510 Design Portfolio 3 cr.**
In this course the student, working with a design faculty member, creates and produces his/her own individual portfolio which highlights the student’s competence, knowledge, and proficiency in his/her individual chosen field or area of interest. In addition, the student will work with Becker College’s Career Services office in the development of his/her job search strategy including creating a PPT presentation of their portfolio, using a portfolio as a marketing tool, preparing resumes and cover letters, developing interviewing skills and professional presentation techniques. Prerequisite: Jr. Status in Graphic Design

**Course offered: Spring.**
GRPH 4520 Senior Team Project 3 cr.
The STP course involves students working together as teams with local area clients on real-world projects. Student teams will work closely and interact with their assigned client to provide graphic design, web-site design and more. Supervised by design program faculty; the teams will be responsible for the design and production of the work requested by the client. The course will focus on the skills of team management and cooperation which are essential for working on a design team. Prerequisite: Jr. Status in Graphic Design
Course offered: Fall.

GRPH4530 Professional Practices in Graphic Design 3cr.
This course is specifically focused on the student’s ability to manage their design workflow and prepare them for real business practices. Students will learn to create job tickets, calculate and prepare job estimates, fill out copyright forms, compile contracts and prepare final design bills. The class emphasizes skills necessary for working with design firms or as a self-employed graphic designer. Students will also prepare self-promotional materials, portfolio presentations and sales pitches to further prepare them for their professional careers.
Meets the requirement for Art elective. Course offered: Fall.

HIST1303 Western Civilization I Ancient and Medieval Europe 3 cr.
A survey of western man from prehistory to the end of the Medieval period. The civilizations of Egypt, the Tigris-Euphrates Valley, Greece and Rome will be emphasized in this course.
Meets the requirement for History and Humanities elective. Course offered: Fall.

HIST1304 Western Civilization II - Renaissance, Reformation and Modern Europe 3 cr.
A survey of the history of western man from the Renaissance, through the Reformation to the end of the Thirty Years War in 1648 and thence to the present. Key topics will be the enlightenment, the age of absolute kings, the French Revolution, the Industrial Revolution, World Wars I and II, the Vietnam War and the two wars with Iraq.
Meets the requirement for History and Humanities elective. Course offered: Fall.

HIST1305 Western Civilization III Modern Europe 3 cr.
A survey of the history of western man from the end of the Thirty Years War in 1648 to the present. Topics will be the enlightenment, the age of the absolute kings, the French Revolution and Napoleon, the Industrial Revolution, and World Wars One and Two.
Meets the requirement for History and Humanities elective. Course offered: Spring.

HIST1308 U.S. History I 3 cr.
A general overview of the political, social, cultural, economic and military experience of the American people from the establishment of the first settlements by Europeans in North America to the end of the American Civil war. The course will emphasize events, trends and personalities of the Colonial period, the Revolutionary, Confederation and early national era, the sectional conflict and the Civil war and Reconstruction.
Meets the requirement for History and Humanities elective. Course offered: Spring.

HIST1309 U.S. History II 3 cr.
A general overview of the political, social, cultural, economic and military experience of the American people from the Reconstruction era to the present. The course will emphasize the events, trends and personalities of the Gilded Age and Progressive era, the two World Wars, the Roaring Twenties and Great Depression and the Cold War.
Meets the requirement for History and Humanities elective. Course offered: Spring.
HIST1401 World History I 3 cr.
This course focuses not only on Western history but also on its diverse, non-Western counterpart. The course is designed to help students achieve a better understanding of the historical forces that shaped the development of early agrarian societies. To this end the course presents the political, economic and cultural history of various world civilizations. In addition, the course aims to increase understanding between peoples from different cultures and to create a common core-knowledge necessary for life in the emerging global community.
Meets the requirement for Global Awareness and Diversity, History and Humanities elective.
Course offered: Fall.

HIST1402 World History II 3 cr.
World History II begins by focusing on the achievements of Western technology and the voyages of discovery of the 15th century that created a new world system. The course examines European colonialism, slavery, revolutions, nationalism, liberalism, industrialization, imperialism, world wars, fascism, communism, and democracy. Other major topics include the decline of colonialism, the atomic age, and the cold war. The course also aims to increase understanding between peoples from different cultures and to create a common core-knowledge necessary for life in the emerging global community.
Meets the requirement for Global Awareness and Diversity, History and Humanities elective.
Course offered: Spring.

HIST2306 History of Technology in Western Civilization 3 cr.
The development of technology from the fashioning of stone tools by prehistoric man to the development of a computerized society by 20th century man. Emphasis on the impact of scientific thought and technological innovation upon human social, political and economic values.
Meets the requirement for History and Humanities elective.
Course offered: Fall.

HIST3100 American Constitutional History 3 cr.
The evolution of American constitutional law is examined in detail. Topics include the writing of the Constitution, its ratification, the concept of judicial review, and the role of the Supreme Court. The development of major constitutional principles since 1787 are discussed historically.
Prerequisite: GOVT1108.
Meets the requirement for Criminal Justice, History and Humanities elective.
Course offered: Fall.

HIST3600 Women in American History 3 cr.
In this course, we will examine the events of American history through the point of view of women in the cultural mainstream, as well as women in sub-cultural groups, who lived during these times. We will investigate how social, political, and economic factors shaped the lives of an often-overlooked group in history - everyday women. We will also explore the lives of many individual women who made significant contributions and helped shaped the history of the United States.
Prerequisites: ENGL1003.
Meets the requirement for History elective.
Course offered: Spring.

HLTH1103 Essentials of Health Assessment and Promotion – see IDHE1103 Essentials of Health Assessment and Promotion

HLTH1206 Medical Terminology - see IDHE1206 Medical Terminology

HLTH3002 Complementary/Alternative Modalities – see IDHE3002 Complementary/Alternative Modalities

HLTH3100 Research in Healthcare – see IDHE3100 Research in Healthcare
HLTH3101 Health and Physical Assessment of Individuals and Families – see IDHE3101 Health and Physical Assessment of Individuals and Families

HLTH3102 Business in Healthcare - see IDHE3102 Business in Healthcare

HLTH3200 Technology and Healthcare Informatics – see IDHE3200 Technology and Healthcare Informatics

HLTH4402 Leadership and Politics: Social Policy and Healthcare Leadership – see IDHE4402 Leadership and Politics: Social Policy and Healthcare Leadership

HLTH4403 Health Education Practices – see IDHE4403 Health Education Practices

HLTH4404 Health Promotion and Disease Prevention – see IDHE4404 Health Promotion and Disease Prevention

HLTH4500 Community Health and Wellness Education Capstone – see IDHE4500 Community Health and Wellness Education Capstone

HLTH4900 Internship/Independent Practicum/Practicum and Project in Community Health and Wellness – see IDHE4900 Internship/Independent Practicum/Practicum and Project in Community Health and Wellness

HUMN1001 Introduction to the Humanities 3 cr.
Students develop analytic and critical tools for greater appreciation of the arts, such as literature, painting, music, sculpture, architecture, dance, and photography. The student reads from Faulkner, Steinbeck, Albee, Rostand, and others, and participates in limited activities to understand and appreciate man’s creative activities.
Meets the requirement for Humanities elective. Course offered: Fall.

HUMN1003 Music and All That Jazz: History and Appreciation 3 cr.
This course is designed to familiarize students with the elements of music and the primary musical periods of Western European classical music. Additional study of other forms of music across the globe will be covered. Students will explore modern and alternative music and the impact they have made on the human race and on music itself as it evolves through 21st Century.

Classroom time consists of lectures with discussions, Q&A, listening to musical examples, reading texts, blogs and musical journals, attending live concerts or suggested performances, and completing research papers with oral presentations specific to the course material. We will cover brief overviews of the major composers and their music. In addition, we will learn to read basic music symbols, and develop an appreciation and understanding of the importance of music in any culture and how it promotes a healthy and happy world view.
Meets the requirement for Humanities elective. Course offered: Spring.

HUMN20UG Special Topics Course 3 cr.
Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived at http://www.becker.edu/academics/course-descriptions/special-topics-courses. Student may take course multiple times to earn credit for a different topic.
Course offered: Spring.
HUMN2103 Global Citizenship and Community Engagement 3 cr.
This course will combine an academic study of the foundations of global citizenship with direct involvement in the experience of community outreach. Woven into the course will be an emphasis on various skills needed in interacting with others in diverse communities. Emphasis is on social responsibility, civic engagement, interpersonal and leadership skills, and critical analysis appreciation for diversity.
Meets the requirement for Global Awareness and Diversity elective. Course offered: Fall and Spring.

HUMN2107 America and the Contemporary World 3 cr.
This course is intended to give students in the liberal arts an opportunity to understand the changing world, to comprehend America’s role in that world, and to ponder the political and cultural challenges that are likely to confront their generation in the future. After the end of the Cold War, certain historians such as Francis Fukuyama proclaimed the “end of history.” History, however, survived its “end” and came back as complex and disturbing as ever, which became patently clear after the tragic events of September 11th. In this course, students will get the historical background necessary to understand the developments that led to September 11th. In addition to that, they would be expected to keep in touch with the latest news on day-to-day basis.
Meets the requirement for Global Awareness and Diversity and Humanities elective. Course offered: Spring.

HUMN2200 Cultural Anthropology 3 cr. – (previously ANTH3200 Cultural Anthropology)
Offers a thorough overview of the principles and processes of anthropology by looking at similarities and differences among cultures, their social and economic characteristics, customs, traditions, and beliefs. Examines how anthropology, through its distinctive methods of research, will clarify our understanding of each other and ourselves. Prerequisite: ENGL1003.
Meets the requirement for Global Awareness and Diversity, Humanities, Social Science elective.

HUMN2207 American Cinema 3 cr.
The American Cinema: A survey of various trends in American movies from 1927 to present. Students will view approximately sixteen landmark motion pictures to analyze them for content, technique, mass audience appeal, and the historical context within which the film was produced.
Meets the requirement for Humanities elective. Course offered: Spring.

HUMN2208 American Film Genres 3 cr.
An intensive study of one or more of the various genres of the American cinema, including westerns, musicals, film noir, gangster films, and detective films. These motion pictures will be analyzed for content, technique, mass audience appeal, and the historical, political, or sociological context within which the film was produced.
Meets the requirement for Game Design Program and Humanities elective. Course offered: Spring.

HUMN2401 Elements of Japanese Culture 3 cr.
A number of central phenomena in the Japanese cultural history are studied, from concepts of ancient aesthetics to animation styles and techniques such as anime and art forms such as manga and video games which are so much a part of modern and contemporary popular Japanese culture. The video games, anime and manga are employed as vehicles to develop students' awareness of Japanese culture, past and present, but particularly contemporary culture. In addition, the contemporary image of Japan, as seen by other cultures is discussed within a framework of the history which shaped it, for example, the effect Hiroshima and World War II has had on Japanese art and culture. Rudiments of Japanese language are also covered as required to gain a more critical understanding of various other cultural
elements. Emphasis is placed on exploring Japanese popular culture in a historical, social and literary context. This course meets the requirements for a global awareness/diversity elective.

**Meets the requirement for Game Design Program and Global Awareness elective. Course offered: Fall, Spring.**

**HUMN2405 Religions of the World 3 cr.**
In this course, students will explore the major themes, faith practices, and symbols and concepts of the major religions: Christianity, Judaism, Buddhism, Islam, and Hinduism. Because religion plays a significant role in history and society, study about religion is essential to understanding both our nation and the world. The course will enhance understanding of various religions to eliminate misconceptions and to develop a healthy respect for difference. Attention will also be given to how real people, through biography and autobiography, have expressed the spiritual dimension of life through their religious traditions.

**Meets the requirement for Global Awareness and Diversity and Humanities elective. Course offered: Fall, Spring.**

**HUMN2601 Global Learning through Storytelling Communities 3 cr.**
This course involves the academic study and practice of the art of storytelling. Learning activities include listening to, reading, analyzing, and telling personal and folk stories, myths, legends, fairy tales, tall tales, and historical stories in order to learn about several cultures more deeply, (e.g., aspects of the time period, geography, morality, religion, humor, relations, and decision making). Reading and collecting stories from other cultures as well as from a place-based community will be explored.

**Prerequisites:** ENGL 1003.

**Meets the requirement for Global Awareness and Diversity elective. Course offered: Fall.**

**HUMN2603 Islam: Faith, Culture, and History 3 cr.**
This course on Islam and the Muslim world will introduce you to the tremendous diversity of the Islamic culture and provide you with a working knowledge of the complexities and opportunities of doing business with Muslim countries. Topics include basic beliefs, practices of Islam, social, cultural, and political ideals and institutions of Islam, business risk management in the Middle East, and Islamic economics and finance. An in class discussion format will supplement readings, short analytical papers, and presentations. Understanding those who embrace Islam as a faith and a way of life will help you to become an effective global manager who will deal successfully with the Islamic world.

**Meets the requirement for Global Awareness and Diversity and Humanities elective. Course offered: Fall.**

**HUMN3100 Intercultural Communication 3 cr.**
Students learn about the challenges of communication between members of two or more different cultures. Such awareness may lead to an appreciation of cultural differences and to strategies that can enhance personal and organizational functioning and communicating in a multicultural environment.

**Meets the requirement for Game Design Program, Global Awareness and Diversity, and Humanities elective. Course offered: Fall, Spring.**

**HUMN3110 Voices of the World I: Global Cultures 3 cr.**
The Voices of the World I course will expose students to nine different cultures around the world. This course is designed to help students inhabit the intellectual and emotional worlds of people from around the world, who share our common humanity while living very different lives. This course offers students a series of insights into different ways of thinking, through different cultural and social realities, rooted in different histories. These insightful literary works are the best guides in developing empathy and an
understanding of human differences. Every work considered in this class will be supplemented by a short overview of the historical and cultural realities of the country that shaped both the writer and his/her work. Prerequisite: ENGL1003.

Meets the requirement for Global Awareness and Diversity, History and Humanities elective. Course offered: Fall.

HUMN3120 Voices of the World II: The American Immigrant Experience 3 cr.
The Voices of the World II course will analyze American immigrant lives through seminal historical narratives, award-winning novels, memoirs, and films. Students will get a chance to read and compare the major 20th and 21st Century stories of uprooting, passage, and adjustments to American culture. Students will be encouraged to recognize the narrator’s viewpoint, setting, homeland, family, gender, community, laws, and religion. They will learn about the great saga of American immigration, be expected to read immigrant narratives and related materials, and to complete a short précis for each of the readings. Students will watch films dealing with the lives of different ethnic diasporas within the United States. Prerequisite: ENGL1003.

Meets the requirement for Global Awareness and Diversity, History and Humanities elective. Course offered: Fall.

HUMN3130 Globalization and Social Justice 3 cr.
This course focuses on the social justice issues that individuals and societies face from a global perspective, as well as the strategies employed to ameliorate the varied negative outcomes of social injustices. Students will explore the historical antecedents, as well as the social, legal, ethical, and political events that have contributed to social injustice worldwide. Theories of oppression and social justice will form a conceptual framework for the study of both issues and strategies. Prerequisites: SOCI1001 and SOCI2400.

HUMN3202 Great Trials in History 3 cr.
This course is an in-depth analysis of a selected number of important trials that have occurred throughout the history of western civilization, including the trial and execution of Socrates and Jesus Christ, the trial of Galileo, Alfred Dreyfus, Sacco and Vanzetti, John Scopes, Charles II as well as many other persons involved in civil or criminal actions that had impact on historic events. Students will study and analyze a select core of cases studied by the class as a whole, and then each student will select a smaller number of related cases for further analysis as an individual project. Prerequisite: Junior status; HIST3100 or GOVT4100 are recommended.

Meets the requirement for Humanities elective. Course offered: Fall.

HUMN3205 Detective Films: Origins and Evolution of a Genre 3 cr.
Although we often view detective films as popular entertainment, the elements of detection – causality (who has done something and why?) and temporality (what happens next?) – are essential not just to cinema, but to all storytelling. This course focuses on the origins and evolution of the detective genre in American and international films from the silent era to the present. The course analyzes enduring works by many of the most influential Hollywood directors (Keaton, Houston, Preminger, Coppola, etc.) as well as examples from the French New Wave, Italian New Realism, Japanese Yakuza, and post-revolutionary Iran. We shall assess these films as individual works, as responses to the conventions of genre, and as reactions to the cultural and historical eras in which they were produced (pre-Hays code, World War II, the Cold War, Vietnam, post-Watergate, etc.). Readings include source material, genre theory, scholarly criticism, and detective fiction. Prerequisites: ENGL1003 or HUMN1001.

Course offered: Fall.
HUMN3302 Studies in Film Analysis 3 cr.
Studies in Film Analysis is a seminar course that will concentrate on the analysis of selected feature films that have a common theme of historical, political or literary significance. Students collectively will view approximately ten related landmark films as class assignments. Individual students will then study and analyze a smaller group of significant related films as research projects apart from the class exercises. Assessment of student learning will take the form of written analyses of the research done by students and oral presentation of their findings and conclusions. Prerequisite: Junior status; HUMN2207 or HUMN2208 recommended.

Meets the requirement for Humanities elective. Course offered: Fall.

HUMN3502 Ancient Cultures and Their Heroes 3 cr.
This course will continue to examine ancient cultures from both Western and non-Western traditions. Heroes and heroines, myths, symbols, rituals, religions, and community relationships and roles will be explored. The "gifts" of these ancient cultures, clues for living better in today's world, will be thoroughly discussed.

Meets the requirement for Global Awareness and Diversity, and Humanities elective. Course offered: Fall.

HUMN3503 Contemporary Heroes and Their Cultures 3 cr.
Contemporary Heroes and Their Cultures, will examine, in a timely fashion, the new relationship cultures have with their heroes, and how the culture and the hero shape one another. There is a wealth of heroism in the ever-changing world of the twentieth and twenty-first centuries as well as conflicting views on what the modern hero (and anti-hero) truly represents. New perspectives in the global community allow heroes of today to both reflect and transcend their own culture. It is, indeed, a brave new world to explore in this timely course.

Meets the requirement for Global Awareness and Diversity and Humanities elective.

HUMN3901 Global Citizenship Internship and Seminar 3 cr.
The internship is based on a service-learning model and provides students with an introduction to the experience of working with others from diverse backgrounds in a professional capacity in a community outreach setting. Students will be required to complete 150 hours of direct service and will be monitored in their field placements. The Seminar will be team-taught and students will meet with the instructors once per week to discuss the course readings and will have opportunity to discuss, analyze, and integrate their field placement experiences in relation to internship goals. Real world problems of moral and ethical complexity will be addressed each week with the goal of producing scholarly response in the community. Prerequisites: HUMN2103 or SOCI2400.

Course offered: Fall.

HUMN4100 Action Research 3 cr.
This course will provide a foundation of the Action Research (AR) process through the development of a prototype and mock Web-based publication. Students will integrate technology as they design, research, analyze, and produce the AR prototype. Students will build and apply digital competencies using an array of course-embedded multi-media technologies in support of their research, communication, and AR prototype publication via a Web-based platform. Students will apply the elements of AR as they maneuver through the process, preparing them for the more sophisticated AR research they will undertake during their Senior Capstone Seminars. Prerequisites: INFO 1001 and MATH 2200.

Course offered: Fall.
HUMN4105 Religion, Peacemaking, and Social Transformation 3 cr.
This course will focus on portraits of global peacemakers, past and present, who have made a difference in bringing about positive change and who have been instrumental in resolving conflict or injustice through appeal to religious sentiments and cultural realities. Students will have the opportunity to participate in a service learning project relating to course content and themes. Prerequisites: SOCI1001 or SOCI2400; any HUMN3000 level course.
Meets the requirement for Global Awareness and Diversity and Humanities elective. Course offered: Fall.

HUMN4500 Global Citizenship Capstone Seminar I 3 cr.
The Global Citizenship Capstone Seminar is a two-semester course for Global Citizenship majors focused on synthesizing and deepening learning about global issues; it is designed to integrate the various aspects of students’ experiences in community and global venues. Over the course of two semesters, students will work on a collaborative action research project with other members of the class on an issue about which they are passionate. Projects will culminate in a globally engaged, action-oriented project by the end of the year. Prerequisites: HUMN 3901; HUMN 4100.

HUMN4501 Global Citizenship Capstone Seminar II 3 cr.
The Global Citizenship Capstone Seminar is a two-semester course for Global Citizenship majors focused on synthesizing and deepening learning about global issues; it is designed to integrate the various aspects of students’ experiences in community and global venues. Global competencies will be demonstrated through the completion of several writing and creative projects this spring semester, including students’ philosophy of global citizenship and their resume. Students will also help to organize ongoing conversations with others in the class about things that are important to them and the type of future they would like to see for themselves and the world.

Over the course of this semester, students will complete their Collaborative Action Research Project in the groups determined in the fall semester. As part of this process, students will further develop and then implement their action plan with local and/or global partners, activists, and NGOs to deepen their understanding of the chosen topics and make some kind of public contribution to the issue. Their research projects will culminate in a community-based, globally-engaged, action-oriented project to be completed by mid-April. Prerequisites: Successful completion of HUMN 4500.

IDHE1103 Essentials of Health Assessment and Promotion 3 cr.
Health Assessment and Promotion provides the student with the knowledge and skills required for obtaining a comprehensive health history and performing a physical, psychological, sociocultural, developmental and spiritual assessment on members of the adult and geriatric populations. Emphasis is placed on health promotion, identification of normal/anticipated findings, common variations, beginning skill acquisition, and documentation of collected data. The course includes didactic and lab components. A minimum final course grade of C is required to be eligible for National Commission for Health Education Credentialing (NCHEC) certification. Prerequisite: BIOL2503, which may be taken concurrently.
Meets the requirement for Health Education and Psychology elective. Course offered: Fall, Spring.

IDHE1206 Medical Terminology 3 cr.
The study of anatomy and physiology provides the basic root words and concepts which, by further study of prefixes and suffixes, form a comprehensive medical vocabulary. On this foundation, a logical study of the medical specialties is made, which increases the student’s knowledge of terminology and familiarizes the student with the diagnostic procedure and treatments. This course does NOT meet the requirement of a health education elective. Course offered: Fall, Spring.
IDHE3002 Complementary/Alternative Modalities 3 cr.
This course introduces the student to the use of complementary and alternative modalities (CAM) including holistic theory and the various techniques available for interventions with patients in the health care system. Emphasis will be placed on the emerging field of complementary/alternative modalities (CAM). The legal, ethical, and professional implications for the nurse related to CAM will be discussed. A minimum final course grade of C is required to be eligible for National Commission for Health Education Credentialing (NCHEC) certification. Prerequisites: BIOL2503, BIOL2504. Meets the requirement for Health Education and Psychology elective.

IDHE3100 Research in Healthcare 3 cr.
This course provides the student with an appreciation of the components of the research process. Emphasis is placed upon the research process, research designs, reading and critiquing research, and research utilization in health and wellness education practice. Through the development, implementation, and presentation of an individual research project the student gains an appreciation of research as the foundation for evidence-based practice. Prerequisites: MATH2200.

IDHE3101 Health and Physical Assessment of Individuals and Families 4 cr.
This course provides the opportunity to apply health and wellness theoretical principles to the completion of holistic health and physical assessments. Normal and abnormal findings are explored. Emphasis is placed on assessment, competent technical skills in examination, critical analysis and implications of abnormal findings, and health promotion. Methods for group assessment, intervention, and evaluation are included. Prerequisites: BIOL 2503, BIOL 2504, IDHE 1103.

IDHE3102 Business in Healthcare 3 cr.
This course explores the theoretical basis of effective management and leadership in healthcare settings. Effective skills of nurse leaders/managers in practice settings are analyzed and discussed. Selected current issues and trends in management/leadership in healthcare and healthcare education settings are integrated into the course content. Students will analyze the application of leadership and management principles in a healthcare or health education setting. Prerequisites: IDHE 3101 or MGMT 2200.

IDHE3200 Technology and Healthcare Informatics 3 cr.
Technology and Healthcare Informatics will provide a foundation for the synthesis of technology into the role of community health and wellness education practice. The course will focus on exploring the various technologies and their utilization within the confines of system resources to meet healthcare consumers’ wellness education needs. Prerequisites: INFO 1001.

IDHE4402 Leadership and Politics: Social Policy and Healthcare Leadership 3 cr.
This course nurtures the development of the student’s own philosophy of professional practice leadership. This elective builds on IDHE3102 Business in Healthcare. The impact of the political system on health care policy will be reviewed. Students will develop skills in formulating management skills but will concentrate on the role of a health educator in a leadership role. Emphasis will be placed on the health educator’s professional role, concepts of vision, creativity, and leadership within health care systems with a focus on the power of politics. Prerequisites: IDHE3102. Course offered: Fall.

IDHE4403 Health Education Practices 3 cr.
This course is designed to develop the student as a community health educator. Principles of program development and presentation skills for age-appropriate populations will be the emphasis of this course. Students will research, develop, and present a healthcare educational program during the course while
utilizing the appropriate educational principles. Prerequisites: IDHE3101, PSYC3100.
Meets the requirement for Psychology elective. Course offered: Fall.

IDHE4404 Health Promotion and Disease Prevention 3 cr.
This course focuses on health education strategies which can be incorporated into consumer health education. This course integrates the foundational concepts of health promotion, risk reduction, and disease prevention. Wellness promotion of individuals and groups will be discussed as well as the need for risk factor reduction, screenings, and early intervention. The role of the health and wellness professional in educating individuals, as well as the availability of and involvement in community health promotion efforts will be addressed. A minimum final course grade of C is required to be eligible for National Commission for Health Education Credentialing (NCHEC) certification. Prerequisites: IDHE4403 which may be taken concurrently.
Meets the requirement for Psychology elective. Course offered: Fall.

IDHE4500 Community Health and Wellness Education Capstone 3 cr.
This course focuses on the synthesis of concepts essential to the role of the community health and wellness educator. The focus will be on the National Commission for Health Education Credentialing, Inc. (NCHEC) Seven Areas of Responsibility for Health Educators (2010). Students will complete the required Bachelor of Science in Community Health and Wellness Education portfolio. Prerequisites: This course is only open to Bachelor of Science in Community Health and Wellness Education in the final semester of the program. All of the degree major core course must be successfully completed prior to taking this course. Students taking this course must also take IDHE4900 Independent Practicum in Community Health and Wellness Education as a course co-requisite.

IDHE4900 Internship/Independent Practicum/Practicum and Project in Community Health and Wellness 3 cr.
This course focuses on applying the concepts essential to the role of the community health and wellness educator. The focus will be on the National Commission for Health Education Credentialing, Inc. (NCHEC) Seven Areas of Responsibility for Health Educators (2010). During the practicum experience students will evaluate health and wellness learning needs and educational programs in place for a community of interest. Prerequisites: This course is only open to Bachelor of Science in Community Health and Wellness Education in the final semester of the program. All of the degree major core course must be successfully completed prior to taking this course. Students taking this course must also take IDHE4500 Community Health and Wellness Education Capstone course as a course co-requisite.

INDS1306 Drafting 3 cr.
The basics of drafting will be covered in this class, including symbols, scale, accuracy, lettering, etc. The techniques and principles of drawing three-dimensional objects will be studied through the use of isometric drawings.
Meets the requirement for Art elective. Course offered: Fall, Spring.

INDS2301 Interior Design Studio I 3 cr.
A presentation of the basics of balance, proportion, scale, texture, and other design elements. The development of several basic floor plans and furniture layouts as they relate to human needs will be a major area of study in this course. Prerequisite: ARTS1301 Principles of Design or INDS1306 Drafting.
Meets the requirement for Art elective. Course offered: Fall, Spring.

INDS2302 History of Decorative Arts I 3 cr.
A survey of the history of interiors, furnishings and architectural elements. The styles of Egypt, Greece, Rome, the Middle Ages, the Italian Renaissance, and the Hispanic, French and English (through
Chippendale) periods, will be covered. There will be a field trip to the Museum of Fine Arts, Boston to see many of the styles studied. 

Meets the requirement for Art elective. Course offered: Fall.

**INDS2303 History of Decorative Arts II 3 cr.**
This is a continuation of INDS2302 Decorative Arts I. It is a survey of the history of interiors, furnishings and architectural elements. English styles of Hepplewhite, Sheraton, and Adam will be studied. Early American, Georgian, Federal, and Victorian through contemporary American styles are studied. International styles such as Art Nouveau and Art Deco are also studied. Prerequisite: INDS2302.

Meets the requirement for Art elective. Course offered: Spring.

**INDS2401 Interior Design Studio II 3 cr.**
This course stresses the application of functional design principles as they relate to residential interiors. Two major projects will be used for analysis and research into possible solutions to design problems. Presentation is stressed. Barrier-free design will be addressed. Prerequisite: INDS2301.

Meets the requirement for Art elective. Course offered: Spring.

**INDS2402 Textiles 3 cr.**
Fibers, weaves, dyeing and production techniques, and fabric classifications are studied. Many of the applications, as they relate to interior design, are explored.

Meets the requirement for Art elective. Course offered: Spring.

**INDS2500 Design Materials 3 cr.**
This course covers many of the materials used in interior design: window treatments, carpeting, flooring, wall coverings, textiles, and furniture construction basics.

Meets the requirement for Art elective. Course offered: Spring.

**INDS3100 Introduction to CAD for Interior Design 3 cr.**
This is an introductory course in computer aided drafting. Many basic commands will be learned allowing the student to produce floor plans using the computer. This course stresses the architectural uses of Auto CAD. Prerequisite: INDS1306

Meets the requirement for Art elective. Course offered: Fall.

**INDS3200 Advanced CAD for Interior Design 3 cr.**
This course will build on the information gained in INDS3100. More advanced interior design plans and drawings will be developed. Three-dimensional drawings will be explained and produced. Prerequisite: INDS3100.

Meets the requirement for Art elective. Course offered: Spring.

**INDS3300 Design Specialties Studio 3 cr.**
This course will examine several areas of interior design specialization. ADA compliance, universal design, and housing for needs people/communities are topics to be explored. Prerequisite: INDS2401

Meets the requirement for Art elective. Course offered: Fall.

**INDS3600 Interior Design Studio III 3 cr.**
Design projects will deal with space planning problems in commercial buildings such as retail stores and offices. The student will analyze and develop spatial arrangements and suggest appropriate furnishing
selections. Prerequisite: INDS2401.
Meets the requirement for Art elective. Course offered: Spring.

INDS3601 ID Studio IV 3 cr.
Larger, more advanced commercial plans are produced. Programming, design development, codes, furniture, finishes, drawings and oral presentation is stressed. Prerequisite: INDS3600.
Meets the requirement for Art elective. Course offered: Fall.

INDS3605 Contract Documents 3 cr.
This course concentrates on establishing a complete set of construction drawings, including as-built plans, demolition plans, elevations, sections, detailed drawings, schedules, and legends. Programming, revisions, submittals, and CSI numbering will be studied. Prerequisites: INDS1306, INDS3300.
Meets the requirement for Art elective. Course offered: Spring.

INDS3700 Building Systems 3 cr.
This course covers topics such as foundations, wall, floor, and roof construction and materials, electrical plans, and flooring. Prerequisite: INDS1306.
Meets the requirement for Art elective. Course offered: Fall.

INDS3705 Sustainable Design 3 cr.
This course examines many materials used in the built environment and their sustainability and impact on the environment. LEED guidelines will be examined.
Meets the requirement for Art elective. Course offered: Spring.

INDS4001 Capstone Project 3 cr. (Meets requirement of ARTS4001 Capstone for Interior Design students)
This semester-long, senior-level studio course is the culmination of the student's Bachelor of Arts in Design experience at Becker College. Working under the supervision of a faculty member, each student independently selects a thesis project that includes the research, development, creation and execution of a large-volume, high-quality original body of work created within the student’s area of concentration. Final presentation is to a panel of faculty and industry professionals at the conclusion of the semester. The thesis project content and its execution involves the application of previously learned studio skills and their direct relation to actual business applications. It is intended to simulate the workload and dialogue that occurs in a professional practice between designers and clients. Prerequisites: INDS3600 and INDS3601.
Course offered: Spring.

INDS4100 Lighting 3 cr.
Electrical plans and reflected ceiling plans are produced for residential and commercial applications. Color and psychological impact are discussed. Prerequisite: INDS1306, INDS3100.
Meets the requirement for Art elective. Course offered: Fall.

INDS4400 Advanced Topics in Interior Design 3 cr.
This course is adapted to fit the needs of interior design students who have special interests in a particular subject. Faculty members will develop the curriculum based on the students’ needs and/or the faculty’s particular interest.
Meets the requirement for Art elective. Course offered: Spring.
INDS4530 Professional Practices in Interior Design 3 cr.
This course examines business practices, ethics, and procedures for interior designers. Emphasis will be placed on many of the business forms used in running a design firm. Letters of agreement, time management, budget proposals, and fee structures will be analyzed. Working with other design professionals, such as architects, contractors, and suppliers, will also be examined. Prerequisite: INDS3600.
Meets the requirement for Art elective. Course offered: Spring.

INDS4610 Interior Design Portfolio 3 cr. (Meets requirement of ARTS4100 Design Portfolio for Interior Design students)
In this course the student, working with a design faculty member, creates and produces his/her own individual portfolio which highlights the student’s competence, knowledge, and proficiency in his/her individual chosen field or area of interest. In addition, the student will work with Becker College’s Career Services office in the development of his/her job search strategy including creating a PPT presentation of their portfolio, using a portfolio as a marketing tool, preparing resumes and cover letters, developing interviewing skills and professional presentation techniques. Prerequisite: 90 credits of completed design course work.
Course offered: Fall, Spring.

INDS4900 Interior Design Career Internship 3 cr. (Meets requirement of ARTS4500 Career Internship for Interior Design students)
In Internship is an opportunity for the student to work with professionals in the field of interior design. Keeping a journal of the daily business procedures along with the creative endeavors in a firm can be greatly beneficial to the student. Prerequisites: INDS3300 and INDS3600.
Course offered: Fall, Spring.

INFO1001 Technology and Society 3 cr.
The purpose of this course is to develop a higher level of student awareness of the social, legal and ethical issues related to the role of technology in society today. The role that technology plays both personally and professionally will be examined, with a focus on issues related to computer use, such as security, privacy, intellectual property rights, ethics, health, and the environment. A look at emerging technologies and the PC of the future is also included.
Course offered: Fall, Spring.

INFO1003 Computer Applications 3 cr.
This course is designed to be an introduction to professional business application software in the areas of spreadsheets and databases.
Course offered: Fall, Spring.

INFO1004 Spreadsheet Fundamentals 1.5 cr.
Students will be acquainted with the proper procedures to create workbooks and worksheets suitable for coursework, professional purposes, and personal use. An exercise-oriented approach will cover spreadsheet formatting, formulas, charts, what if analysis, and payment and amortization calculators.

INFO1005 Database Fundamentals 1.5 cr.
Students will be acquainted with the proper procedures to create databases suitable for coursework, professional purposes, and personal use. An exercise-oriented approach will cover database formatting, query, maintenance, forms, and reports.

INFO1100 Introduction to Programming – see CPTR1100 Computer Programming I
INFO1104 Spreadsheet Applications 1.5 cr.
This course examines advanced features of spreadsheets in business applications. An exercise-oriented approach will cover multiple spreadsheet formatting, pivot tables and charts, smart art, images, and slicers. Prerequisite INFO1003 or INFO1004.

INFO1105 Database Applications 1.5 cr.
This course examines advanced features of databases in business applications. An exercise-oriented approach will cover creating multiple forms, macros, and advanced form and advanced reporting techniques. Prerequisite INFO1003 or INFO1005.

INFO1300 Information Systems in Organizations 3 cr.
This course serves as an introduction to the broad field of Information Technology, focusing on three major areas: project management, computer security and informatics and on the management of these technologies to support and achieve strategic organizational goals. Other significant areas of IT management will also be explored. Students will evaluate through discussions and written assignments how each of these areas apply to current and future business decisions. The course will use case-based tutorials in order re-enforce concepts with technology skills in completing realistic assignments.
Prerequisites: none
Course offered: Fall.

INFO1400 Programming in C++ 3 – see CPTR1400 Computer Programming II

INFO2003 Advanced Computer Applications 3 cr.
Students will use the advanced features of spreadsheets and databases in business applications. Prerequisite: INFO1003.

INFO2100 Internet 3 cr.
Study of one of the fastest growing and popular areas in computing today. The purpose of the course is to give a fuller understanding of what the Internet is, how it works, and how the uses of it are changing. Students will cover the history, the terminology, its primary features, and be able to discuss the problems and possible future of this topic. Students will develop their own home page. Prerequisite: INFO 1001.
Course offered: Spring.

INFO2105 E-Commerce 3 cr.
This course will explore the business and technological elements of electronic commerce. It will explain the economic foundations of electronic commerce, describe the infrastructure, and explain the main technologies used to implement online business activities. Assignments, projects, simulations, and case studies will be utilized in the learning process.
Meets the requirement for Business elective. Course offered: Fall.

INFO2300 Data Structures – see CPTR2300 Data Structures

INFO2500 Data Visualization 3 cr.
Information visualization is a combination of many disciplines. Principles are drawn from the fields of statistics, perception, graphic design, cognitive psychology, information design, communications, and data mining. This course is an introduction to the principles and techniques for data visualization, and will cover the basic theories of data visualization, such as data types, chart types, visual variables, visualization techniques, structure of data visualization, navigation in data visualization, color theory, cognitive theory, and visualization evaluation. Students will learn visual representation methods and
techniques that increase the understanding of complex data and models. Emphasis will be placed on the identification of patterns, trends, and differences from data sets across categories, space, and time. The ways that humans process and encode visual and textual information will be discussed in relation to selecting the appropriate method for the display of quantitative and qualitative data. Graphical methods for specialized data types (time series, categorical, etc.) will be presented. Topics will include charts, tables, graphics, effective presentations, multimedia content, animation, and dashboard design. Examples and cases from a variety of industries will be used. In this course, we will explore visual representation methods and techniques that increase our understanding of complex data. Prerequisites: None.

INFO3300 Business Analytics 3 cr.
This course provides an overview of the field of analytics, which has been defined as the extensive use of data, quantitative analysis, exploratory or predictive models, and fact-based management to drive decisions and actions. The development and use of data warehouses and data marts to support business analytics is discussed. The use of key performance indicators, dashboards and scorecards for performance management and opportunity assessment are addressed. Text and web mining are discussed, and the application of selected data mining techniques to business decision making situations is illustrated. Students actively participate in the delivery of this course through application assignments and project presentations. Prerequisites: INFO1003 and MATH 2200. Course offered: Spring.

INFO3600 Networking I – see CPTR3600 Networking I

INFO3901 Data Science Practicum 3 cr.
This practicum provides students with supervised field work experience in data science within an organization, including government, business, or research lab. Students will work a minimum of 12 hours per week over a 14 week semester. Students will be expected to keep a journal of their experience and attend an on-campus meeting with their faculty supervisor on a bi-weekly basis.

INFO4200 Predictive Analytics 3 cr.
This course explores statistical models as they are used in predictive analytics. The course will focus on applying predictive models through cases studies of consumer behavior, crime fighting, financial risk, life sciences, medical risk, and organizational efficiency. The course reviews traditional linear and generalized linear models, including multiple regression, logistic regression, and survival data models. It addresses issues of model selection and specification, as well as best practices in developing models for business, life sciences, and other industries. Prerequisite: MATH3200.

INFO4300 Big Data Analysis 4 cr.
The course will discuss data mining and machine learning algorithms for analyzing Big Data. A lab component of industry standard software will emphasize tools for creating parallel algorithms that can process very large amounts of data. This course will provide a review of basic linear algebra and probability. Lectures will cover techniques of mining large data sources from areas such as social media, web advertising, and life sciences, and will provide opportunities to apply best practices in big data analysis. Prerequisite: CPTR1400, MATH2105, and MATH2200 or appropriate math placement score.

INFO4500 Data Science Policy and Strategic Management 3 cr.
A capstone course for the application of learning to projects and/or issues in various industries related to large data repositories or data streams. A semester long project provides a framework to evaluate a data science problem requiring the integration of computer science, statistics, and another discipline of student focus (e.g., Bioinformatics, Business Analytics, Healthcare Analytics, etc.). Projects require a
portfolio with written assessments of the industry or organization selected, an overview of the data science problem, a data management and analysis plan, sample data, data visualizations, and conclusions. Prerequisite: INFO4300.

**JOUR2901 Journalism Internship 1 cr.**
Students will serve on the Becker Journal staff and be fully involved in producing the student newspaper. They will work in and be evaluated on the basis of the following areas: reporting, interviewing techniques, news writing, editorial writing, editing, journalistic ethics, photo-copy layout, ad creating, and advertising-marketing. This course may be taken multiple times for credit. Prerequisite: ENGL1001 or equivalent.
Course offered: Fall, Spring.

**JPNS1001 Japanese Language I 4 cr.**
This course introduces basic grammar, sentence patterns and vocabulary of the Japanese language. In this course the emphasis is on oral skills. The course entails three hours of lecture and two hours of lab. The course is designed for students with no previous knowledge of Japanese.
Meets the requirement for Game Design and Humanities elective. Course offered: Fall.

**JPNS1002 Japanese Language II 4 cr.**
This course follows up on the work of JPNS 1001 in that students will continue to improve their mastery of grammar, sentence patterns and vocabulary of the Japanese language and will continue to improve their oral skills. Additionally, students will begin to develop their understanding of the Japanese language as well as their reading and writing skills in Japanese. The course entails three hours of lecture and two hours of lab. Prerequisite: JPNS1001.
Meets the requirement for Game Design and Humanities elective. Course offered: Spring.

**JUST1100 Criminal Justice System & Process 3 cr.**
A survey of the various agencies of justice, from administrative, historical and social viewpoints. Acquaints students with the broad field of criminal justice and provides a foundation for successive, more specialized courses.
Meets the requirement for Criminal Justice and Social Science elective. Course offered: Course offered: Fall, Spring.

**JUST1101 Homeland, Private & Public Security 3 cr. (Previously ENFO1101 Homeland, Private & Public Security)**
Examines the historical background, organization and administration of private security. Emphasis will be placed on the study of different types of security programs and the relationship between private security agencies and public government agencies.
Meets the requirement for Criminal Justice elective. Course offered: Spring.

**JUST1105 Juvenile Justice System & Process 3 cr.**
A study of the underlying philosophy and the processes used in the juvenile justice system. The course emphasizes the difference between adult and juvenile procedure.
Meets the requirement for Criminal Justice. Course offered: Spring.

**JUST2202 Crisis Intervention in Criminal Justice 3 cr.**
A study of the theoretical and practical basis for accurately assessing and responding to crisis situations unique to the criminal justice profession. Subject areas will include domestic violence, child abuse and neglect, and elder abuse. Communication and referral techniques will be covered and emphasized.
Meets the requirement for Criminal Justice and Social Science elective. Course offered: Fall.

JUST2203 Corrections, Systems & Process 3 cr. (Previously CORR2203 Community Corrections)
Corrections is a growing and changing component of our criminal justice system. It includes collaboration between the courts, correctional facilities, and community-based alternatives. This course will explore the various corrections systems in the U.S., at Federal, State and local levels, and the process by which they operate. It will include the historical/social background of corrections and the future directions corrections may be headed in.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

JUST2204 Victimology & Victim Services 3 cr.
This course examines the foundations and historical background of victimology, the victim’s rights movement and victim’s services. New developments in the field of victim assistance will be examined. Specific subject areas of victimization will be studied, including homicide, rape, and helping the helpers (victims’ service providers). Throughout the course, current literature and documents on victim’s rights and services for the 21st century will be emphasized and studied. Course is especially appropriate for Criminal Justice, Legal Studies, and Psychology majors.
Meets the requirement for Criminal Justice, Psychology and Social Science elective.
Course offered: Fall.

JUST2207 Police and the Community 3 cr. (Previously ENFO2207 Police and the Community)
The function of the police in the community and the interaction between the community and the police will be analyzed. Aspects of police operations and their corresponding influence to the community will be examined and discussed. The relationship of police, media, minority groups, special populations and those in political power will be among the topic areas to be studied. An emphasis on “Community Policing” will be maintained throughout the course. Prerequisite: JUST1100 or permission of the instructor.
Meets the requirement for Criminal Justice elective. Course offered: Spring.

JUST2209 Probation and Parole 3 cr. (Previously CORR2209 Probation and Parole)
A survey of correctional systems with regard to the regulations and practices of probation and central presentence investigation, supervision, and release of probationers. The philosophies which influenced parole procedures and treatment of criminals are also studied.
Meets the requirement for Criminal Justice elective. Course offered: Spring.

JUST2800 History of Modern Terrorism 3 cr.
This course will look at 19th century through to modern day terror organizations, such as the European Anarchist movement, US abolitionists movement, Irish National Brotherhood. This history provides the foundation for further study of terrorism.
Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.

JUST2801 Key Issues in International Terrorism 3 cr.
This course examines the fundamental issues behind terrorism and the current responses to this threat. It explores the concept of terrorism, the types of terrorism and prominent terrorist groups. In addition it evaluates the international measures to curb terrorism and explores the role of business and media sectors in countering terrorist activities. Prerequisite: JUST2800.
Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.
JUST2802 Terror Group Aims, Motivations and Beliefs  3 cr.
What motivates terrorists? Understanding the terrorist mind-set is critical to countering terrorism effectively. This course enhances a participant's analytical ability by identifying the various strains of influence within today's terrorist groups and networks. Prerequisite: JUST2800.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

JUST3001 Police Administration and Management 3 cr. (Previously ENFO3001 Police Administration and Management)
Students are introduced to the managerial structure and functions of the many levels of police departments. The relationship of police departments to other agencies of law enforcement is also studied. Prerequisite: JUST2207
Meets the requirement for Criminal Justice elective. Course offered: Spring.

JUST3100 Threat Assessment and Management 3 cr.
This course will introduce students to the concept of threats, how they are analyzed and assessed, and the techniques and methodologies for managing them. Concepts from a number of disciplines will be covered, with a primary goal of violent prediction and a secondary goal of practical applications of case management. Prerequisites: PSYC1001 and JUST1100.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

JUST3200 Criminal Procedure and Evidence 3 cr. (Previously ENFO3200 Criminal Procedure and Evidence)
The relationship to the criminal justice system of the 4th, 5th, and 6th amendments and Supreme Court decisions. The law of arrest, search and seizure, questioning, confessions, entrapment, etc. will be covered from a legal and practical standpoint. A research paper is required.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

JUST3801 Terrorist Modus Operandi  3 cr.
This course explores how the ideologies of various terrorist groups can have an impact on group structure, tactics, strategies and target selection. It examines types of terrorist tactics, looking into the role of ideology and the impact of state response on the evolution of terrorist strategies, before considering the possible future trends in terrorist tactics Prerequisites: JUST2800, JUST2801, JUST2802.
Meets the requirement for Criminal Justice elective.

JUST3802 - Future and emerging trends in terrorism  3 cr.
This course examines the future and emerging trends in terrorism, looking at how state and local terror organizations may impact society in the future. Prerequisite: JUST3801.
Meets the requirement for Criminal Justice elective.

JUST3803 - Cyberterrorism  3 cr.
This course examines the concept of cyberterrorism and provides an introduction to the ways in which terrorists use the Internet and the politics of cybersecurity. It offers simplified explanations of the technology of the Internet and major types of cyberattack, with the aim of assisting students to gain a concrete sense of the issues that are under discussion. Note that the module does not provide a technical grounding in cybersecurity. Prerequisite: JUST3801 or JUST3802.
Meets the requirement for Criminal Justice elective.

JUST3900 Criminal Justice Internship 3 cr.
Students will work within criminal justice agencies, integrating classroom learning with practical experience. In addition, students will meet periodically with the internship coordinator to review their
progress, and relate their experiences to broader issues within criminal justice. The e-learning platform, Canvas ©, will also be used to provide discussion and communication with the student. A minimum of 144 hours is required. Prerequisites: Completion of all 1st and 2nd year courses, a GPA of 2.5, and permission of the internship coordinator.
Course offered: Fall, Spring.

JUST3901 Policing/Law Enforcement Internship 3 cr.
Students will work in a police/law enforcement agency, integrating classroom learning with practical experience. In addition, students will meet periodically with the internship coordinator to review their progress, and relate their experiences to broader issues within policing. The e-learning platform, Canvas©, will also be used to provide discussion and communication with the student. A minimum of 144 hours is required. Prerequisites: Completion of all 1st and 2nd year courses, a cumulative GPA of 2.5, and permission of the internship instructor.

JUST4001 Research in Criminal Justice 3 cr.
The course provides an introduction to the practice of research in criminal justice and criminology. Students learn the logic of scientific inquiry and social research methods as they design a research project. A formal research proposal is presented and defended at the end of the semester. Prerequisites: SOCI1001 & PSYC1001.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

JUST4100 Directed Study in Criminal Justice and Legal Studies 3 cr.
Students conduct the research project proposed in JUST4001 - Research in Criminal Justice. A paper, taking the form of a journal article and reporting the results of the research, is presented and defended at the end of the semester. Special attention is given to the project’s relationship to ongoing research and theory building in the fields of criminal justice and criminology. Prerequisite: JUST4001.
Meets the requirement for Criminal Justice elective. Course offered: Spring.

JUST4800 Counterterrorism Policy, Research and Management Capstone 3 cr.
This capstone course is the culmination of the related courses in the Domestic Counter Terrorism Studies: Policy, Response and Management Concentration. Students will review and study current research and policy as it relates to counter terrorism, and management practice, in the U.S. today. A semester long project will be assigned on an individual and group/team basis, which will result in a practical/table-top exercise and final presentation at the end of the semester. Prerequisites: JUST2800, JUST2801, JUST2802, JUST3100, JUST4001.

LGLS1100 Introduction to Law 3 cr.
An overview of the legal assistant’s responsibilities, this course surveys legal materials, law office functions, interviewing skills, and familiarizes the student with the psychology of law offices and the preparation and processing of legal documents for civil action in court.
Meets the requirement for Criminal Justice and Social Science elective. Course offered: Fall.

LGLS1103 Real Estate Law 3 cr.
An analysis of real estate transfer, including basic concepts in the ownership of real property, the correlation of real estate and estate law, purchase and sale agreement forms, preparation of sample mortgage and note forms, concepts and practice in calculation of tax adjustments, deed preparation and title examination practice. Prerequisite: LGLS1100.
Meets the requirement for Criminal Justice elective. Course offered: Spring.
LGLS1207 Contracts and Uniform Commercial Code 3 cr.
This course will deal extensively with the fundamentals of contract law and how contract law interacts with the Uniform Commercial Code. Students will learn through case studies and application of the principals discussed.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

LGLS2102 Criminal Law 3 cr.
Students study the basic concepts of criminal law. The history of law and classification of offenses, sentences, culpability and defenses are included.
Meets the requirement for Criminal Justice and Social Science elective. Course offered: Fall.

LGLS2105 Estates, Trusts and Estate Administration 3 cr.
This course deals with the techniques and procedures involved in the preparation of wills and trusts along with the probating of estates and estate accounting. Students will deal with issues such as estate planning, income, gift and inheritance taxes and other issues associated with the planning and probating of an estate.
Meets the requirement for Criminal Justice elective. Course offered: Spring.

LGLS2107 Family Law 3 cr.
This course will deal with the concepts and procedures involved in domestic relations law. Students will study issues such as divorce, separate support, abuse prevention, guardianships, power of attorney, and parental rights.
Meets the requirement for Criminal Justice and Social Science elective. Course offered: Fall, Spring.

LGLS2200 Corporation Law 3 cr.
Provides skills in preparation of forms of articles of incorporation, bylaws, minutes, procedures for verifying and reserving corporate name, knowledge of drafting resolutions, such as those affecting the payment of dividends, mergers and consolidations, the termination of a business, and the distribution of its property to creditors and shareholders. Prerequisite: LGLS1100.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

LGLS2203 Litigation 3 cr.
The study of a civil proceeding from the service of process to final judgment, to include domestic law, debt collection, and torts. Prerequisite: LGLS1100.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

LGLS2205 Legal Aspects of Business 3 cr.
This course is designed to provide a survey of the legal environment from the perspective of professional service and business employment responsibilities. The areas studied include personal injury law, contracts, the Uniform Commercial Code, partnership law, secured transactions, bankruptcy, and property law. The intent of the course is to familiarize students with questions and issues that arise in everyday business life.
Meets the requirement for Criminal Justice and Social Science elective. Course offered: Fall.

LGLS2208 Legal Research Techniques 3 cr.
Stresses the importance of a thorough knowledge of legal terminology and emphasis on legal research and writing. The course will include case studies. Prerequisite: LGLS1100.
Meets the requirement for Criminal Justice elective. Course offered: Fall.
LGLS2300 Legal Research and Writing Techniques 3 cr.
A systematic approach to learning legal analysis, organization and writing. Cases are introduced in detail and with concentration on issues, rules, holdings and reasoning. Students develop their writing abilities with specific focus on the preparation of briefs and memoranda and the analysis of legal problems. Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.

LGLS2600 Computer Applications for the Legal Profession 3 cr.
This course provides the student with a foundation of computer concepts and their application in the legal profession. Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.

LGLS2900 Career Internship 3 cr.
Arrangements are made for students to gain practical experience by working within a selected legal environment. Course offered: Fall, Spring.

LGLS3001 Advanced Legal Writing and Analysis 3 cr.
Students will engage in extensive appellate writing and research. They will develop a working knowledge of all of the documents associated with appellate practice and the skills necessary for effective appellate brief preparation. Prerequisites: LGLS2300 or LGLS2208. Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.

LGLS3200 Topics in Law and Society 3 cr.
This course examines the historical and philosophical origins of the law, the sociological impact of the law, the effects of the law on the political process and public policy, and an analysis of the importance of law within our increasingly pluralistic society. Students will explore, discuss and evaluate the legal implications of current events in the world in a variety of areas. Prerequisites: ENGL1001, SOCI1001, PSYC1001. Meets the requirement for Criminal Justice, Global Awareness and Diversity elective. Course offered: Fall, Spring.

LGLS3205 Business Law 3 cr.
This course focuses on the practical implications of living in our highly regulated society. Emphasis is on how to protect yourself and your company from possible liability. Topics include Torts, Intellectual Property, Cyber Law and e-Commerce, Contracts, Agency and Legal Reasoning. Meets the requirement for Criminal Justice elective. Course offered: Spring.

LGLS3292 Conflict Resolution 3 cr.
Conflict arises when people working together have different ideas about how to achieve desired objectives. Most conflict can be traced back to element of uncertainty. Negotiation is one of the best ways to manage the risks that result from uncertainty. This course will examine the nature of negotiation as a means of resolving conflict and minimizing risks. The course will explore negotiation skills such as: (1) separate the people from the problem, (2) use objective data, (3) focus on interests, not positions, and, (4) determine mutually acceptable options. The goal of any negotiation process is to arrive to a win-win solution. Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.
LGLS4001 Advanced Civil Litigation 3 cr.
Students will be exposed to the elements of complex litigation with emphasis on the preparation of litigation documents, detailed discovery and a working knowledge of the Federal Rules of Civil Procedure. Prerequisite: LGLS2203.
Meets the requirement for Criminal Justice elective. Course offered: Fall.

LGLS4100 Directed Legal Study 3 cr.
This is an independent study which will allow a student to extensively research a topic of the student’s choice. The research paper will involve the application of statutory and common-law sources along with the use of the student’s writing and analytical abilities (senior status).
Meets the requirement for Criminal Justice elective. Course offered: Spring.

LIBA4100 Senior Seminar in the Liberal Arts 3 cr.
This capstone course will serve as a culminating academic experience for senior students in Liberal Arts. Students will be expected to demonstrate mastery of research methodology and skills at a level consistent with graduate school expectations. In this semester students will be provided a reading list in six areas of the Humanities: Art, History, Government, Philosophy, Documentary Film, and Literature. Humanities faculty will present lectures in each of these areas; tied into each lecture will be a significant related critical theory as well. Each student will select an area in which he or she wishes to develop a capstone research writing project and will submit a description of such project to the Liberal Arts Advisory Committee for approval.
Course offered: Spring.

MATF1001 Foundations of College Mathematics 3 cr. (non-graduation credit)
This foundational math course is designed to provide the student the opportunity to review all basic arithmetic concepts necessary to succeed in other math courses. In addition, the student is taught ways to combat math anxiety that may have hindered success in math in the past.
Course offered: Fall.

MATF1002 Math for Health Sciences 3 cr. (non-graduation credit)
The Math for Health Sciences course is designed to provide mastery of the fundamental mathematical concepts related to nursing, which are also germane to the field of veterinary technology. Students will begin with a review of basic mathematical and selected algebraic concepts and progress to application of those skills in nursing and veterinary mathematics. The importance of correct dosage calculations and the ramifications of errors will be emphasized. Material will be presented in a variety of formats similar to those encountered in the practice of nursing and veterinary medicine.
Course offered: Fall.

MATH1010 Elementary Math Subtest MTEL General Curriculum Concepts 1 cr.
This is a 15 hour course that will cover the topics on the Elementary Math Subtest Massachusetts MTEL General Curriculum with emphasis on improving problem-solving skills and developing the deep conceptual understanding that is the key to success. Students will learn the most efficient ways to solve various types of problems.
Meets the requirement for Math elective.

MATH1200 College Algebra 3 cr.
The topics covered include properties of number systems, polynomials, linear and quadratic equations and inequalities, radical equations, absolute value equations, systems of equations and inequalities, graphing and verbal problems. Prerequisite: C or better in MATF1001 or MATF1002, or appropriate
placement score. A grade of C or better is required for graduation from the Veterinary Technology program.
Meets the requirement for Math elective. Course offered: Fall, Spring.

MATH1300 Contemporary Topics in Math 3 cr.
Designed for the Liberal Arts and Education majors. Topics will include the following: set theory, logic, numeration systems, number theory, operations with the real numbers, mathematical systems, geometry, counting methods, probability and statistics, consumer mathematics and computer functions. This course does NOT meet the prerequisite requirements for any 2000 level math course.
Meets the requirement for Math elective. Course offered: Fall.

MATH1301 Contemporary Mathematics for Managers 3 cr.
Review and advance the student’s mathematical abilities so that they are able to work with the most essential mathematical techniques for use in business and other workplace situations. Emphasis is placed on using basic algebraic methods to represent the mathematics inherent in these situations, and in solving simple equations.
Meets the requirement for Math elective. Course offered: Fall, Spring.

MATH2001 Precalculus and Functions 3 cr.
This course incorporates algebra, the basics of trigonometry and a review of geometry and will serve as a foundation for the study of physics, biomechanics and exercise physiology. Students will learn to solve algebraic equations and to apply them to word problems dealing with time, rate and distance. Students will also study logarithmic and exponential functions, tangents, cosine and sine, vectors, forces.
Prerequisite: C or better in MATH1200 or appropriate placement score.
Meets the requirement for Math elective. Course offered: Fall, Spring.

MATH2005 Geometry 3 cr.
This course covers elements of Euclidian and Non-Euclidian geometry. It highlights geometrical figures properties, relationships, and transformations. It emphasizes geometry structure: axioms, theorems, propositions; and concentrates mainly on proofs build using this structure. Topics include the introduction of coordinates, the theory of area, history of the parallel postulate, the various non-Euclidean geometries, compass and ruler constructions. Prerequisites: C or better in MATH1200.
Meets the requirement for Math elective. Course offered: Fall, Spring.

MATH2105 Finite Math 3 cr.
This intermediate level mathematics course includes an introduction to logic, sets and counting, functions, matrix theory, linear systems, linear programming, game theory, and an introduction to probability. With a focus on quantitative reasoning, the students’ ability to interpret mathematical models such as formulas, graphs, tables, and schematics is developed, as well as the ability to draw inferences from them. The representation of mathematical information in various formats is developed, as is the ability to use formal logical theorems and mathematical methods to solve problems, determine reasonableness, identify alternatives, and select optimal results. Prerequisite: C or better in MATH1200 or appropriate placement.
Course offered: Fall, Spring.

MATH2200 Statistics 3 cr.
An introductory course for students having backgrounds limited to precalculus mathematics. Areas treated are statistical methods, sampling, probability, frequency distributions, estimations, correlation and tests of significance. Prerequisite: C or better in MATH1200 or appropriate placement score.
Meets the requirement for Math elective. Course offered: Fall, Spring.
MATH2202 Calculus 3 cr.
Designed for students entering the fields of business and economics. Topics include algebra review, functions, mathematical modeling, limits and continuity, differentiation, the chain rule, application of the derivative for: maximum and minimum in profit inventory costs and production, elasticity for demand, the antiderivative and integration. Prerequisite: MATH2001 Pre-calculus and Functions or appropriate placement score.
Meets the requirement for Math elective. Course offered: Fall, Spring.

MATH2302 Calculus II 3 cr.
This course is devoted to the study of transcendental functions, techniques and applications of integration, sequences, series, power series with applications, and parametric equations and polar coordinates. In particular, applications include area bounded by curves, volume by rotating and slicing, arc length and area of a surface of revolution. Integration techniques taught include integration by parts, partial fractions, trigonometric substitution, numerical integration, and improper integrals. Students will be introduced to hyperbolic functions, separable and linear differential equations, direction fields, and their applications. The study of sequences and infinite series will include tests for convergence of the various types of series, leading to power series and Taylor series. Applications to Economics and Biology will be discussed. Prerequisite: MATH2202.
Course offered: Fall, Spring.

MATH2400 Discrete Mathematics 3 cr.
This course covers elementary discrete mathematics essential for computer science and informatics courses. It emphasizes mathematical definitions and proofs, as well as applicable methods. Topics include formal logic notation, proof methods, induction, well ordering, sets, relations, elementary graph theory, integer congruences, functions and relations, permutations and combinations, counting principles, and discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction, state machines and invariants, recurrences, and generating functions. Prerequisite: MATH2001 (Functions and Precalculus) or appropriate placement score.

MATH3200 Multivariate Statistics 3 cr.
This course is designed to provide a working knowledge of multivariate statistics. The focus is on the appropriate use and interpretation of a variety of multivariate statistics using software (SPSS). The topics include a variety of multivariate techniques, particularly linear regression, binary logistic regression, discriminant analysis, multivariate analysis of variance, repeated measures analysis, and factor analysis. The course concentrates on providing students with knowledge of statistical analyses (obtained from SPPS) that can be properly used to address a specific research question. Prerequisite: C or better in MATH2200 or appropriate placement score.

MATH3305 Linear Algebra 3 cr.
Topics include systems of linear equations, Row Reduction and Echelon Forms, Matrices and Matrix Algebra, Inverse Matrices, Determinants and Permutations; Cramer Rule, Vector Spaces and Subspaces, Linear Transformations, Matrix of a Linear Transformation; Linear Independence, Bases for Vector Spaces, Dimension, Matrix Rank, Inner Products (dot products), Orthogonality, Cross Products, Gram Schmidt Method; Eigenvectors, Eigenvalues, Eigenspaces of a Matrices, Matrix Diagonalization, Polar Coordinate Systems, especially 3D polar space, 4x4 Matrices and Perspective Projection, Rotations in 3 dimensions including Euler Angels. Some applications of linear algebra will be discussed, such as computer graphics and linear regression (least squares). Prerequisites and Requirements: MATH2202 or MATH2105, with a grade of C or better. This course is highly recommended for majors in sciences especially computer-science oriented majors.
MATH3700 Quantitative Methods in Management 3 cr.
Quantitative procedures used to study underlying structure of decision-making problems in business and industry. Topics include linear programming, simulation, project management and inventory control as well as limitations of the management science methodology. Prerequisites: MATH1200 and MATH2200.
Meets the requirement for Math elective. Course offered: Fall.

MGMT1000 Introduction to Business 3 cr.
This course introduces the principles of the business sector in our society. Students are exposed to the different areas of business and its environment, legal forms of business ownership, and operations of business. Emphasis is on the interrelationships of managing human resources, marketing, production, financing, and control aspects of business. Business-government relations, small business management, and franchising and career opportunities in the field of business are explored. Assignments, projects, simulations, and case studies will be utilized in the learning process.
Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT1805 Introduction to Project Management 3 cr.
This class introduces the factors necessary for successful project management. Topics include project management concepts, needs identification, the project manager, teams, project organizations, project communications, project planning, scheduling, control, and cost performance. Students will become comfortable with working with project management as an individual or team member. Case studies, assignments, and projects will be utilized in the learning process.
Meets the requirement for Business elective. Course offered: Spring.

MGMT2200 Principles of Management and Leadership 3 cr.
This course discusses the basic functions of management and the role of a manager from an operational viewpoint. Traits and behaviors of good leadership are explored in creation of a competitive and sustainable enterprise. Guiding principles and practices that increase management effectiveness are analyzed. Assignments, projects, simulations, and case studies will be utilized in the learning process.
Meets the requirement for Business elective. Course offered: Spring.

MGMT2300 Portfolio Class (Required to open a Portfolio) 2 cr.
Portfolio is designed to help develop a strategy for personal and professional growth. This course will allow you to investigate and reflect on past learning, academic accomplishments and experience. The course will include; professional experience, academic success and individual achievements. Students will build their personal brand for lifelong planning and growth. The portfolio is a key component of a student's curricular and co-curricular competencies acquired during their academic career. Students will also learn how to document prior learning and connect it to various means of earning credit.
Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT2500 Small Business Management 3 cr.
This course is about the principles and practices necessary to the formulation of a small business. Sole proprietorships, partnerships, and small corporations are considered. Aspects of insurance, inventory funding, employee relationships, and legal matters are studied.
Meets the requirement for Business elective. Course offered: Fall.
MGMT2505 Small Business Entrepreneurship 3 cr.
This course will allow students to understand and evaluate small businesses from a potential ownership perspective. Topics include starting vs. buying a small business, developing a business plan, financial aspects of the business, legal and licensing requirements, franchises as alternative, and revenue/value creation.
Meets the requirement for Business elective. Course offered: Spring.

MGMT2606 The Business of Screenwriting 3 cr.
This course will discuss the business of screenwriting, from how to market yourself to networking in the industry. The course will be taught by current industry professionals, ranging from writers, talent managers, and film producers. Prerequisites: ENGL2604, ENGL2605.
Meets the requirement for Business elective. Course offered: Spring.

MGMT2710 Women’s Leadership: Concepts and Competencies 3 cr.
In this course, participants will learn the foundations of emergent leadership, how to negotiate impasse in leadership, the basic tenets and philosophy of Theory U, and the relationship between contemplative practice and leadership. A service learning project in leadership will be integrated in to the course.
Meets the requirement for Business and Social Science elective.

MGMT2712 Women’s Leadership: Opportunities and Challenges 3 cr.
In this course, which is a continuation of MGMT2710: Concepts and Competencies, participants will further develop leadership capabilities, apply the tenets of social business to develop and present a leadership project, and formulate one's own philosophy of leadership. Prerequisites: MGMT2710.
Meets the requirement for Business elective.

MGMT2801 Fundamentals of Farm and Stable Management – see EQST2801 Fundamentals of Farm and Stable Management

MGMT2805 Project Planning & Control 3 cr.
This class focuses on a holistic approach to project management from a cross-functional viewpoint. The content deals with planning, scheduling, organizing, and controlling projects—for example, product development, construction, information systems, new businesses, and special events. The course includes major topics of Strategy, Priorities, Organization, Project Management Tools, and Leadership. Primary class emphasis is on the project management process and tools. Mastery of key tools, software, and concepts all give the student a significant competitive advantage in the marketplace. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisite: MGMT1805.
Meets the requirement for Business elective. Course offered: Fall, Summer.

MGMT2900 Career Internship 3 cr.
Arrangements are made for students to gain practical experience by working with managerial personnel in selected businesses. Businesses will be identified based on a student's career interest areas with a focus on business skill set development. The internship model is a key component of experiential learning for a business student.
Course offered: Spring.
MGMT3100 Managing the Global Economy 3 cr. – (previously MGMT3100 International Business 3 cr.)
This course examines how global enterprises operate by addressing the impact of economic, political, social, natural environment, ethics, and technology on corporate strategies, operations, and efficiencies. Students deal with strategies, problems, and opportunities faced by businesses engaged in international operations. Prerequisite: MGMT2200.
Meets the requirement for Business elective. Course offered: Spring.

MGMT3105 Business Research Methods and Applications 3 cr. – (previously MGMT4000 Business Research Methods)
This course teaches students the methods and statistical tools used to create research reports, which are used to make business decisions. Coursework focuses in the analysis of standard research reports used by organizations. Prerequisite: MGMT2200.
Meets the requirement for Business elective.

MGMT3190 Communications Strategies & Techniques for Managers 4 cr.
Students practice and analyze workplace communications while improving such skills as writing, presenting, participating in meetings, and listening. The role of manager in the flow of organizational communications and the ways in which thought and communications augment each other are key themes. The writing process, construction of logical arguments, analysis of audience, and one’s own communication objectives are addressed within the context of communication strategies that fulfill career and organizational objectives. This course develops students’ understanding of and appreciation for their individual learning styles. Students are introduced to the concept of lifelong learning and create their own options for lifelong learning.
Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT3200 Financial Management 3 cr.
This course is designed to provide an understanding of financial functions in firms and the responsibilities of the financial manager. Financial concepts and tools for use in effective financial decision-making and problem solving are also explored. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisite: MGMT2200; ACCT1002 or ACCT2004 or MGMT3490.
Meets the requirement for Business elective. Course offered: Fall.

MGMT3205 Organizational Behavior 3 cr.
This course surveys current theory and practice of psychology applied to industrial and organizational settings. Topics include work motivation, employee attitude assessment, leadership, stress in the workplace, and performance appraisal. Emphasis is placed on the work environment at all levels. An understanding of organizational behavior enables a student to enter the workforce more confidently and understand their role within an organization. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisite: MGMT2200.
Meets the requirement for Business elective. Course offered: Spring.

MGMT3290 Human Behavior in Organizations 3 cr. – see MGMT3205 Organizational Behavior

MGMT3300 Contemporary Economics 3 cr.
This course involves a study of the U.S. economic system, including supply and demand, markets and competition, prediction and costs, money and banking. This course also looks at current economic policies and the effects on the individual, the firm, organizations, and the nation. Contemporary
Economics helps prepare a student for entry into a wide range of business environments. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisite: MGMT1000.

Meets the requirement for Business and Social Science elective. Course offered: Spring.

MGMT3400 Human Resource Management 3 cr.
An analysis and examination of the human resource management function in organizations. Theories and concepts leading to the effective utilization of human resources in organizations will include manpower planning, recruiting, selection and employment, training, promotion, compensation and discipline. Case studies will focus on problems associated with human resource applications in actual organizations. Human Resource Management helps business students appreciate HR as a strategic resource of the company and for entry into Human Resource careers. Prerequisite: MGMT2200 or IDHE3102.

Meets the requirement for Business elective. Course offered: Spring.

MGMT3490 Accounting for Managers 3 cr. – see ACCT1002 Managerial Accounting

MGMT3500 Finance for Managers 3 cr. – see MGMT3200 Financial Management

MGMT3600 Management Decision Making and Problem Solving 3 cr.
This course examines the structure of problems, group and individual approaches to problem solving, and the thought processes that managers use to define problems and reach decisions. In the study of problem solving and managerial decision-making, students recognize their own decision-making style. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: PSYC1001 or SOCI1001.

Meets the requirement for Business elective. Course offered: Fall.

MGMT3705 Business Ethics & Social Responsibility 3 cr.
Ethics are guides to “right” actions & behaviors. Business Ethics are a key component of a business’s Social Responsibility and have a direct impact on competitiveness and sustainability. In this course, the nature of ethics, concepts and alternatives to ethics, corporate social responsibility, employer/employee relationships, business practices, and professional ethics will be examined. The course draws on business and personal experience while examining these topic areas. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT3400.

Meets the requirement for Business elective. Course offered: Spring.

MGMT3800 Management Information Systems 3 cr.
This course is designed to provide a foundation for integrated decision making across cross-functional areas of an organization. Developing and using information systems to support operational, tactical and strategic decision making in organizations is also explored. Effective decision making directly affects business competitiveness and sustainability. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT2200.

Meets the requirement for Business elective. Course offered: Fall.

MGMT3805 Project Team Management 3 cr.
The course surveys the many issues involved in creating and leading a project team. Topics will include group process, team leadership skills, team dynamics, barriers to teamwork, the particular nature of project teams, and the importance of teamwork in project management. Students will consider the nature and types of teams required in their action project. The current business environment utilizes
team projects and team decision making as a priority function in business operations. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT2805. Meets the requirement for Business elective.

MGMT3806 – Influence, Decision Making and Problem Solving in Project Management 3 cr. This course examines how project managers can use a range of ethical influence techniques to achieve successful project outcomes. The course looks at how groups and individuals approach decision-making and problem solving under pressure. This also involves the examination of the reasons groups and individuals make suboptimal decisions, but continue to support these decisions even in the face of contradictory evidence. The class will also examine contemporary tools the project manager can use to help teams reach better decision outcomes. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT3805. Meets the requirement for Business elective.

MGMT3890 Managing Diversity in the Changing Workplace 3 cr. The increasing diversity of the American workforce and expanding economic interdependence among nations requires that managers deal creatively with the cultural dimensions of management. The course will employ readings and experiential learning to explore and articulate perceptions of difference in order to increase management effectiveness. Students gain appreciation of the different forms of diversity and how diversity can become an organizational strength. Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT3960 Budget & Performance Measurement 3 cr. This course covers the purposes of, and techniques for, budgeting, including but not limited to developing forecasts; creating revenue, expenses, cash, and capital budgets; analyzing capital investments project proposals; and establishing budget policies, reporting procedures, and controls. Students will also identify common pitfalls, and predictive techniques for avoiding them, when developing and managing budgets, including but not limited to techniques like The Balanced Scorecard and assessment tools applied to revenue and balance sheet outcomes. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT3200. Meets the requirement for Business elective. Course offered: Spring.

MGMT4000 Business Research Methods 3 cr. – see MGMT3105 Business Research Methods and Applications

MGMT4100 Business Policy and Strategy 3 cr. This is a capstone course in which students will develop managerial skills through the analysis of strategic problems in various-sized businesses. This course integrates the knowledge that students have gained in accounting, economics, finance, management, and marketing. This course examines corporate strategy in terms of increasing environmental, social, ethical and organizational complexity. Students will do a business simulation and will write a strategic business plan. They will analyze real companies, identify problems, and formulate a course of action that aligns with, and supports, a company’s long-term growth strategy. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisites: 54 credits earned and MGMT2200, MGMT3200, and MKTG2104. Meets the requirement for Business elective. Course offered: Spring.

MGMT4105 Project Management: Tools & Techniques 4 cr. All organizations can benefit by focusing their efforts on improving customer satisfaction and expense control. The Project Management: Tools and Techniques course will help you develop these skills. The course covers: Defining Needs and Opportunities; The Project Management Process and its Benefits;
Scheduling Work Activities; Project Management Software; Time/Cost Trade-Offs; Resource Planning; Cost Forecasting and Control; and Team Development and Effectiveness.

Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT4190 Statistical Techniques for Managers 3 cr.
The course provides an overview of basic data analysis and descriptive statistical methods useful in making business and organizational decisions. Presents statistical techniques to help students better understand research reports, business plans, and financial and marketing data.

Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT4195 Leadership, Communication and Change 3 cr.
This course is designed to enable individuals to work in diverse situations as members of a team and as leaders of a team - to 1) identify, share, and apply effective communication strategies, which include corporate vision, strategies, values, principles, and plans; 2) prepare messages to guide and motivate employees; 3) negotiate human resource issues, contracts, and managerial strategies. Prerequisite: MGMT2200.

Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT4200 Training and Development 3 cr.
A systematic approach to employee training and development. Topics will include needs assessment and design of the employee learning environment, current training methods, the link between training and development, and a company's strategic direction. Contemporary development issues include crossculture preparation, managing workforce diversity, succession planning, and creating a lifelong employee-learning environment. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT2200.

Meets the requirement for Business elective. Course offered: Fall.

MGMT4201 Compensation and Benefits 3 cr.
This course examines the decisions that go into employee compensation; the concepts and research underlying those decisions; the alternative techniques used to help make compensation decisions; and the objectives obtained. Topics include job evaluation, pay determination, employee benefits, government regulations, and current trends. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT2200.

Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT4300 Managing in the Global Economy 3 cr. – see MGMT3100 Managing in the Global Economy

MGMT4400 Current Issues in Strategic Planning 3 cr.
The course focuses on strategic planning to help organizations create a competitive, sustainable future. The course examines modern concepts of strategic planning, especially in terms of increasing environmental, social, ethical, and organizational complexity. Assignments and case studies will be utilized in the learning process. Prerequisite: 54 credits earned.

Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT4600 Capstone: Becoming a Reflective Practitioner 3 cr. – see MGMT4100 Business Policy and Strategy
MGMT4805 Project Management Capstone 3 cr.
This course involves the application of learning to projects and/or issues currently at play within individual industries and/or organizations. Actual projects currently being developed in workplaces can be used, such as environmental sustainability or students can create their own projects based on current trends and challenges within a specific industry or organization. Assignments and case studies will be utilized in the learning process. Prerequisites: MGMT3805 and MGMT3806.

MGMT4900 Career Internship 3 cr.
This course integrates classroom studies with practical experience. Supervised work experience in management or human resources. Twelve hours per week for twelve weeks (minimum). Prerequisites: 2.0 GPA and permission from advisor.
Course offered: Fall, Spring.

MKTG2101 Advertising 3 cr.
This course studies advertising as an important tool of business: its form and functions, how to write and display it, where to publish it, the operating side from the standpoint of agencies, media, campaigns, and the testing of results. Advertising is present in the context of contemporary media formats including social media used in the business environment. Assignments and case studies will be utilized in the learning process.
Meets the requirement for Business elective. Course offered: Spring.

MKTG2104 Principles of Marketing 3 cr.
This course studies the marketing of consumer and industrial products on the retail, wholesale, and manufacturing levels. Marketing functions are defined and described along with an analysis of the various contemporary marketing processes. Learning includes a study of related case materials, assignments and business simulations.
Meets the requirement for Business elective. Course offered: Fall.

MKTG3001 Marketing Management 3 cr.
In this course, students solve marketing problems from a management point of view. Emphasis is on analyzing marketing situations, identifying problems, determining solutions, implementing corrective action, and planning strategy. The student learns how the marketing management functions are applied to produce an effective marketing program. The case study method is applied. Students develop a deeper understanding of marketing as a tool for competitive advantage and the role of a product manager. Prerequisite: MKTG2104.
Meets the requirement for Business elective. Course offered: Fall.

MKTG3005 Consumer Behavior 3 cr.
An analysis of marketplace and consumer behavior as determined by characteristics of age, sex, geographic location, income levels, educational background, etc. The course will examine the uses of test marketing and its relation to decision making. The course also exposes the student to alternative consumer influence factors and their role within a marketing plan and strategy. Prerequisite: MKTG2104.

MKTG3105 Global Marketing 3 cr.
Global Marketing focuses on the international/cultural dimensions involved in international marketing and trade, the competitive environment, and culture and its impact on human behavior. In addition, learners gain perspectives relative to global opportunities and trends in marketing, trade agreements, and how to develop global strategies. The "Four P's" of product, price, place, and promotion receive
thorough review, as seen from a global perspective. Emphasis is placed throughout the courses on culture and how to weave marketing strategies within the worldwide environment while, at the same time, being sensitive to the cultural nuances within various international markets. Students learn to appreciate the global marketing concept of “think global and act local.” Assignments and case studies will be utilized in the learning process. Prerequisite ECON2001 & ECON2002.

Meets the requirement for Business elective.

MKTG3300 Customer Engagement 3 cr. (previously titled Principles of Sales)
This course gives students an opportunity to develop customer engagement techniques. The course will explore the elements of customer engagement leading to a buying decision and develop them to the point where students will be able to present and evaluate the selling and buying process and factors affecting the decision process. A group project will offer an opportunity to apply the principles of customer engagement leading to the sale of a product or service. Assignments and case studies will be utilized in the learning process. Prerequisite: MKTG2104.

Meets the requirement for Business elective. Course offered: Fall.

MKTG4001 Marketing Research 3 cr.
This course involves the collection, analysis, interpretation, and evaluation of data for use in the marketing management process. Contemporary research techniques are studied. Marketing research approaches will be considered based upon different business models. Assignments and case studies will be utilized in the learning process. Prerequisite: MKTG2104.

Meets the requirement for Business elective. Course offered: Fall.

MKTG4105 International Marketing 3 cr.
Students will apply the fundamental principles of marketing to the international arena. They will examine culture, history, geography, religion, economics, and business climate in terms of their impact on the marketing process. They will learn how marketing strategies and promotional messages are context-specific, and how both multinational and global marketing strategies can be effective depending on the target market and the characteristics of a company's products and services. Case studies and current events will provide an opportunity to put the course material into practice. Prerequisite: MKTG2104

Meets the requirement for Business elective. Course offered: Spring.

MKTG4200 Retail Marketing 3 cr.
This course investigates marketing at the operational level. This course considers problems of store location and layout, buying, reviewing inventory and stock control, pricing, merchandising and promotion. Assignments and case studies will be utilized in the learning process. Prerequisite: MKTG2104.

Meets the requirement for Business elective. Course offered: Spring.

MKTG4300 Marketing Seminar 3 cr.
An advanced discussion of marketing principles, this course studies new trends in marketing research, techniques, strategy and evaluation of success and failure. Assignments and case studies will be utilized in the learning process. Prerequisite: MKTG2104.

Meets the requirement for Business elective. Course offered: Fall.

MKTG4400 Advanced Topics in Marketing 3 cr.
Courses offered under the designation Advanced Topics may represent emerging issues or specialized content not represented in the curriculum. Each advanced topics course has a course description, which is archived at http://www.becker.edu/academics/course-descriptions/special-topics-courses. Student
may take this course multiple times to earn credit for a different topic. Specific course learning outcomes will include organizational adaptation to emergent changes as impacted by a range of business topics. Assignments and case studies will be utilized in the learning process. Prerequisite: MKTG2104. Meets the requirement for Business elective. Course offered: Spring.

NURS1103 Essentials of Health Assessment and Promotion 3 cr.
Health Assessment and Promotion provides the student with the knowledge and skills required for obtaining a comprehensive health history and performing a physical, psychological, sociocultural, developmental and spiritual assessment on adult and geriatric patients. Emphasis is placed on health promotion, identification of normal/anticipated findings, common variations, beginning skill acquisition, and documentation of collected data. Students are required to pass the didactic and lab components of this course. A minimum grade of C+ or better is required to continue in the nursing program. Corequisites: NURS1104, BIOL2503, ENGL1001. Meets the requirement for Health Education elective. Course offered: Fall, Spring.

NURS1104 Fundamentals of Nursing 4 cr.
Fundamentals of Nursing introduces students to the basic nursing concepts, scientific principles, and nursing skills necessary to meet health care needs common to all patients. Using the nursing process and the core competencies necessary for safe and effective contemporary nursing practice across the life span (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, System-Based Practice, and Communication) students acquire the knowledge and skills essential to promoting optimal wellness in the adult and geriatric patient’s physiological, psychological, socio-cultural, developmental, and spiritual dimensions of health. The college lab and clinical practicum experiences afford the student opportunities to apply and refine acquired nursing knowledge and skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A minimum grade of C+ or better is required to continue in the nursing program. Corequisites NURS1103, BIOL2503, ENGL1001. Course offered: Fall, Spring.

NURS1105 Nursing II 10 cr.
Nursing II builds upon the knowledge and skills acquired in the previous nursing courses (NURS1103 and NURS1104). Students apply the nursing process and the core competencies necessary for safe and effective contemporary nursing practice across the life span (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, Systems-Based Practice, and Communication) to the care of adult medical-surgical patients. The effect of illness on patients’ dimensions of health is considered, as students refine their ability to provide prioritized care to adult medical-surgical patients. Pharmacological and nutritional principles are integrated throughout the course. The college lab and clinical practicum experiences afford the student with opportunities to apply and refine acquired nursing knowledge and skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A C+ or better is required to continue in the Nursing program. Prerequisites: C+ or better in NURS1103, NURS1104, and C or better in BIOL2503. Corequisites: BIOL2502, BIOL2504. Course offered: Fall, Spring.

NURS1200 Introduction to the Profession of Nursing 3 cr.
This course provides the history of nursing and the development of nursing knowledge. This course explores the values and competencies expected of the baccalaureate level student. The course also
focuses on selected philosophical and theoretical principles in nursing practice and ethical and legal dimensions. These principles may be applied to an array of nurse practice settings and disciplines. A grade of C+ or better in this course is required to continue in the nursing program. Prerequisites: CHEM1001, BIOL2503, BIOL2504 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001. See Pre-licensure BSN requirements for admission into the Year 2, Semester 2 nursing courses. Corequisites: BIOL2502, EXC3105, and NURS1200.

Course offered: Spring.

NURS2103 Health Assessment and Promotion Across the Lifespan 3 cr.
Health Assessment and Promotion provides the student with the knowledge and skills required for obtaining a comprehensive health history and performing a physical, psychological, sociocultural, developmental and spiritual assessment on individual adults and families across the lifespan. Emphasis is placed on health promotion, identification of normal/anticipated findings, common variations, beginning skill acquisition, and documentation of collected data. Students are required to pass the didactic and lab components of this course. A minimum grade of C+ or better is required to continue in the nursing program. Open to nursing majors only. Students in the Bachelor’s degree nursing program will be required to have the following courses as a prerequisite to beginning the clinical component: CHEM1001, BIOL2503, BIOL2504, BIOL2502 all with a C or better; MATH1200, MATH2200, INFO1001, EXSC3105, NURS1200, NURS3002. Corequisites: NURS3003, NURS2400, NURS3200.

Course offered: Fall.

NURS2201 Nursing III 10 cr.
Nursing III is designed to further build upon the nursing knowledge and skills acquired in the preceding nursing courses (NURS1103, NURS1104, and NURS1105). Students refine their ability to use the nursing process and the core competencies necessary for safe and effective contemporary nursing practice across the life span (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, Systems-Based Practice, and Communication) to plan and prioritize care for adult and pediatric patients with medical-surgical conditions of increased complexity. The effect of significant illness on the adult and pediatric patient’s dimensions of health is considered with greater intensity. Pharmacological and nutritional principles are integrated throughout the course. During the associated college lab and clinical practicum experiences students have the opportunity to apply and refine acquired nursing knowledge and skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. The student is given three attempts to pass this competency. Students are required to pass the theoretical, college lab, and clinical experience portions of this course. A grade of C+ or better is required to continue in the nursing program. Prerequisites: C+ or better in NURS1105; C or better in BIOL2502, BIOL2504, and in BIOL 2503. Corequisites: PSYC1107, PSYC1001, INFO1001.

Course offered: Fall, Spring.

NURS2202 Nursing IV 10 cr.
Nursing IV builds upon the knowledge and skills acquired in the previous nursing courses (NURS1103, NURS1104, NURS1105, and NURS2201). Students further refine their ability to use the nursing process, the dimensions of health, and the core competencies necessary for safe and effective contemporary nursing practice across the life span (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, Systems-Based Practice, and Communication) to plan, implement and prioritize care for childbearing families, neonates, psychiatric/ mental health patients, and medical-surgical patients with complex health needs in a variety of care settings. The principles associated with the management of patient care are broadened to include principles of delegation and organization of
care for a group of patients. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. The student is given three attempts to pass this competency. Students are required to pass both the classroom and clinical components of this course. A grade of C+ or better is required in both NURS2202 and NURS2205 to be eligible to graduate from the Nursing Program. Prerequisites: C+ or better in NURS 2201. C or better in BIOL2502, BIOL2504, and in BIOL2503. Corequisite: NURS2205.

Course offered: Fall, Spring.

NURS2205 Seminar in Nursing 2 cr.
The role of the registered nurse upon entry into practice in the contemporary health care system is explored. The student considers the total development of the nurse to meet the role requirements and responsibilities. Personal, ethical, and legal aspects of nursing care are discussed along with issues and trends in nursing practice. A grade of C+ or better is required in both NURS2205 and NURS2202 to be eligible to graduate from the Nursing Program. Prerequisites: C+ or better in NURS2201. Corequisite: NURS2202.

Course offered: Fall, Spring.

NURS2400 Principles of Nursing Care 6 cr.
This course introduces students to basic nursing concepts, scientific principles, and nursing skills necessary to meet the health care needs common to all patients. Students acquire the knowledge and skills necessary to promote optimal wellness in the adult and older adult patients’ physiological, psychological, sociocultural, developmental, and spiritual dimensions. The college lab and clinical practicum experiences afford the student with opportunities to apply and refine acquired nursing skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. To progress in the nursing program, a grade of C+ or better is required in this course. Prerequisites: Only offered for students enrolled in the prelicensure Bachelor of Science in nursing program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS1200, and NURS3002. Corequisites NURS2103, NURS3000, and NURS3200.

NOTE: Admission to this course and the third year of the nursing program is determined through a selective admissions process. See admissions information for further details.

NURS3000 Introduction to Pharmacokinetics in Nursing 3 cr.
This course will introduce the students to pharmacology and its therapeutic effects on patients. Content will include the principles of pathophysiology and pharmacology in the treatment of specific diseases. Generic and trade names, indications, contraindications, precautions, adverse reactions, drug interactions, dosage, and administration will be discussed. The role of pharmaceutical agents in the prevention, treatment, and management of disease states will be discussed. Drug effects on age-specific patient populations and documentation requirements will be reinforced. To progress in the nursing program, a grade of C+ or better is required in this course. Prerequisites: Only offered for students enrolled in the prelicensure Bachelor of Science in nursing program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS1200, and NURS3002. Corequisites NURS2103, NURS3000, and NURS3200.

NOTE: Admission to this course and the third year of the nursing program is determined through a selective admissions process. See admissions information for further details.

Course offered: Fall.
NURS3001 Philosophical and Theoretical Foundations in Nursing Practice 3 cr.
This course provides the history of nursing and the development of nursing knowledge. This course explores the values and competencies expected of the baccalaureate level student. The course also focuses on selected philosophical and theoretical principles in nursing practice. These foundations may be applied to an array of nurse practice settings and disciplines. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Open only to students enrolled in the RN to BSN program.
Course offered: Fall, Spring.

NURS3002 Complementary Alternative Modalities 3 cr.
This course introduces the student to the use of complementary and alternative modalities (CAM) including holistic theory and the various techniques available for interventions with patients in the health care system. Emphasis will be placed on the emerging field of complementary/alternative modalities (CAM). The legal, ethical, and professional implications for the nurse related to CAM will be discussed. Open to students in the Bachelor of Science in Nursing (Prelicensure) and RN to BSN nursing programs only. A grade of C+ or better in this course is required to continue in the nursing program.
Prerequisites: Prelicensure Bachelor of Science in Nursing: CHEM1001, BIOL2503, BIOL2504 with a C or better in all prerequisite science courses, MATH1200, MATH2200 INFO1001. See Prelicensure BSN requirements for admission into the Year 2, Semester 2 nursing courses. Corequisites: BIOL2502, EXC3105, and NURS1200. RN to BSN Program, admission to the RN to BSN nursing program.
Course offered: Spring.

NURS3003 Pharmacokinetics in Nursing Practice 3 cr.
This course will enhance the nurse’s knowledge of pharmacology and its therapeutic effects on patients. Content will present the principles of pathophysiology and pharmacology in the treatment of specific diseases. Generic and trade names, indications, contraindications, precautions, adverse reactions, drug interactions, dosage, and administration will be discussed. The role of pharmaceutical agents in the prevention, treatment, and management of disease states will be discussed. Drug effects on age-specific patient populations and documentation requirements will be reinforced. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Open only to students enrolled in the RN to BSN program.
Course offered: Fall, Spring.

NURS3100 Research in Nursing 3 cr.
This course provides the baccalaureate nursing student with an appreciation of the components of the research process. Emphasis is placed upon the research process, research designs, reading and critiquing research, and research utilization in clinical practice. Through the development, implementation, and presentation of an individual research project the student gains an appreciation of research as the foundation for evidence-based practice. Open to students in the Bachelor of Science in Nursing (Prelicensure) and RN to BSN nursing programs only. A grade of C+ or better in this course is required to continue in the nursing program.
Students in the Bachelor of Science in Nursing (Prelicensure) degree program will be required to have the following courses as a prerequisite: CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200 (with a final course grade of C or higher), INFO1001, EXSC3105, NURS3002, NURS1200, NURS2103, NURS3003, NURS2400, and NURS3200. Corequisites: NURS3300 Medical Surgical Nursing I, and NURS3400 Maternal Child Nursing.

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Students in the RN-BSN program may take this course following successful completion of NURS3001, NURS3002, NURS3101, and NURS3003. Successful completion of MATH2200 with a final course grade of C or higher is a required prerequisite course.

Course offered: Spring.

NURS3101 Health and Physical Assessment of Individuals and Families  4 cr. (3 hour lecture and 1 hour lab weekly)
This course provides the opportunity to apply nursing theoretical principles to the implementation phase of a holistic physical and health assessment. The course will include patients as individuals groups, and will explore normal as well as abnormal findings. Emphasis is on assessment, competent technical skills in examination, critical analysis and implications of abnormal findings, and health promotion. Methods for group assessment, intervention, and evaluation are included. The RN to BSN student must achieve a final course grade of C+ or higher to progress in the nursing program. Open only to students enrolled in the RN to BSN program.

Course offered: Fall, Spring.

NURS3102 Business in Nursing  3 cr.
This course explores the theoretical basis of effective nursing management and leadership. Effective skills of nurse leaders/managers in practice settings are analyzed and discussed. Selected current issues and trends in management/leadership and nursing are integrated into the course content. Participation with a nurse in a leadership or management position will allow the student an opportunity to analyze the application of leadership principles. The student must achieve a final course grade of C+ or higher to progress in the RN to BSN program. Open only to students enrolled in the RN to BSN program.

Course offered: Spring.

NURS3200 Technology and Nursing Informatics 3 cr.
Technology and Nursing Informatics will provide a foundation for the synthesis of technology into the role of nursing practice. The course will focus on exploring the various technologies and their utilization within the confines of system resources to meet patient and nursing care needs. Open to students in the Bachelor of Science in Nursing (Prelicensure) and RN to BSN nursing programs only. Students are required to receive a grade of C+ or better in this course to continue in the nursing program. Students in the Bachelor of Science in Nursing (Prelicensure) degree program will be required to have the following courses as a prerequisite: CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH220, INFO1001, EXSC3105, NURS1200, and NURS3302. Corequisites: NURS2103, NURS2400, and NURS3000. Students in the RN-BSN program may take this course following successful completion of all NURS3000 courses with a grade of C+ or better.

Course offered: Fall.

NURS3300 Medical Surgical Nursing I 6 cr.
This course focuses on the care of selected patients experiencing common illnesses. The care of the adult medical-surgical patient is viewed from the perspective of building on the core competencies (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, Systems-Based Practice, and Communication). The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote patient stability. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills.
Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required to continue in the nursing program. Prerequisites: Open only to students enrolled in the prelicensure BSN program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS1200, NURS3002, NURS2103, NURS2400, NURS3000, and NURS3200. Corequisites: NURS3100. NURS3400 Maternal-Child Nursing will be taken the same semester (Year 3, Semester 2), as assigned either prior to or after completing NURS3300 Medical Surgical Nursing I.

Course offered: Spring.

NURS3305 Medical Surgical Nursing II 6 cr.
This course focuses on the care of selected patients experiencing increasingly complex medical-surgical conditions. The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote health and well-being for adult patients with increasingly complex medical-surgical conditions. The nursing program core competencies, critical reasoning and application of best current evidence to clinical practice will be stressed. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills.

Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required to continue in the nursing program. Prerequisites: Open only to students enrolled in the prelicensure BSN program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS3002, NURS2103, NURS2400, NURS3003, NURS3200, NURS3300, NURS3400, and NURS3100. Corequisites: NURS3600, NURS4403, and an open elective course.

Course offered: Fall.

NURS3400 Maternal and Child Nursing 6 cr.
This course focuses on the nursing needs of childbearing women and children from conception through adolescence. The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote health and well-being for perinatal, neonatal, and pediatric patients and family members. Critical reasoning and application of best current evidence to clinical practice will be stressed. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills. A grade of C+ or better is required to continue in the nursing program. Prerequisites: Open only to students enrolled in the prelicensure BSN program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS1200, NURS3002, NURS2103, NURS2400, NURS3000, and NURS3200. Corequisites: NURS3100. NURS3300 Medical Surgical Nursing I will be taken the same semester (Year 3, Semester 2), as assigned either prior to or after completing NURS3400 Maternal Child Nursing.

Course offered: Spring.
NURS3600 Community Health Nursing 4 cr.
This course applies the nursing program core concepts and dimensions of health to the care of individuals, families, and groups from a community health perspective. Emphasis is placed on nurse’s role in healthcare systems to meet the health care needs of a global society. Practice issues which include health promotion, risk reduction, disease prevention, wellness, cultural issues, and healthcare technology systems in the community setting are discussed. A grade of C+ or better is required to continue in the nursing program. Prerequisites: Open only to students enrolled in the prelicensure BSN program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS3002, NURS2103, NURS2400, NURS3003, NURS3200, NURS3300, NURS3400, and NURS3100. Corequisites: NURS3305 NURS4403, and an open elective course.
Course offered: Fall.

NURS4001 Nursing in a Global Society 3 cr.
This course focuses on the nurse’s role in healthcare systems to meet the needs of a global society. Practice issues which include health promotion, risk reduction, disease prevention, wellness, cultural humility, and healthcare technology systems in the community setting are discussed. Open only to students enrolled in the RN-BSN program. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: Completion of all NURS3000 courses with a grade of C+ or better. Corequisite: NURS4002.
Course offered: Fall, Summer.

NURS4002 Community Health Nursing 3 cr.
During this course, the student will apply the concepts learned in previous nursing courses to the role of the baccalaureate nurse in the community. Students will explore the physiological, psychological, sociocultural, developmental, and spiritual dimensions of health issues impacting community health on a local level. This course provides instruction and support to students as they develop, refine and carry out a community health assessment and health improvement project. The clinical assignment involves assessment/analysis of a community health issue in the student’s local community, evaluation of services in that community to address the issue, and creation of a health improvement project designed to address the identified community health issue. Nursing department approval is required prior to the student starting the assignment. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: Completion of all NURS3000 courses with a grade of C+ or better. Corequisite: NURS4001
Course offered: Fall, Spring, Summer.

NURS4003 Leadership in Nursing 3 cr.
During this course the student will apply the concepts learned in previous nursing courses to the leadership role of the baccalaureate nurse. Students will explore and analyze current best practices related to professional nursing leadership in a local healthcare system. This course provides instruction and support to students as they develop, refine and complete a leadership analysis project. The course project will focus on an evidence-based solution to one deficit identified in the healthcare system leadership analysis. Nursing department approval is required prior to the student starting the assignment. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: Completion of all 3000 level courses with a grade of C+ or better and completion of NURS4002. Corequisites: Enrollment in a nursing elective.
Course offered: Fall, Spring, Summer.
NURS4101 Professional Nursing Seminar 3 cr.
This course focuses on the synthesis of concepts essential to the role of the baccalaureate nurse as a contributing member of the healthcare team. Personal, ethical, and legal aspects of nursing care are discussed along with issues and trends in nursing practice for a diverse patient population. This course must be taken in the last semester of program completion requirements or as the final Bachelor of Science in nursing course. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: NURS4001 and NURS4002.
Course offered: Fall, Spring.

NURS4200 Care of Patients with Complex Physiological and Psychological Health Issues 6 cr.
This course focuses on the care of patients experiencing increasingly complex physiological and psychological health conditions. The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote health and well-being for patients with complex medical-surgical and psychiatric/mental health issues. The nursing program core competencies, critical reasoning and application of best current evidence to clinical practice will be stressed. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required to pass the course and be eligible for graduation. Prerequisites: Open only to students enrolled in the traditional BSN program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, INFO1001, EXSC3105, NURS3002, NURS2103, NURS2400, NURS3003, NURS3200, NURS3300, NURS3400, NURS3100, NURS3305, NURS3600, and NURS4403. Corequisites: NURS4205, NURS4901, and an open elective course.

NURS4205 Transition to Nursing Practice 2 cr.
This course focuses on the synthesis concepts essential to the role of the entry-level Registered Nurse, as a contributing member of the healthcare team. Personal, ethical, and legal aspects of nursing care are discussed along with issues and trends in nursing practice affecting the delivery of health care and the discipline of the professional practice of nursing. Students are required to achieve a minimum benchmark score of 70% on the ATI RN Comprehensive Predictor proctored exam. Students will have only two attempts to achieve the required minimum benchmark score of 70% on this exam. A grade of C+ or better is required to pass the course and be eligible for graduation. Prerequisites: Open only to students enrolled in the traditional BSN program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS3002, NURS2103, NURS2400, NURS3003, NURS3200, NURS3300, NURS3400, NURS3100, NURS3305, NURS3600, and NURS440 Corequisites: NURS4901, NURS4200, and an open elective course.

NURS4401 Holistic Nursing Practice: Techniques and Application 3 cr.
This course further develops the nurse’s knowledge and techniques of holistic practice. Emphasis will be placed on developing the skills needed and exploring the avenues available to implement complimentary/alternative modalities (CAM) into nursing practice. A variety of holistic modalities will be explored. Open only to students enrolled in the RN-BSN program. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: Completion of all NURS3000 courses with a grade of C+ or better.
NURS4402 Nursing Leadership and Politics 3 cr.
This course nurtures the development of the student’s own philosophy of nursing leadership. This elective builds on NURS3102 Business in Nursing. The impact of the political system on health care policy will be reviewed. Students will develop skills in formulating management skills but will concentrate on the role of a nurse in a leadership role. Emphasis will be placed on the nurse's professional role, concepts of vision, creativity, and leadership in complex health care system with a focus on the power of politics. Open only to students enrolled in the RN-BSN program. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: Completion of all NURS3000 courses with a grade of C+ or better.

NURS4403 Professional Nurse as Educator 3 cr.
This course is designed to develop the student as a patient, family, and community health nurse educator. Principles of program development and presentation skills for age-appropriate populations will be the emphasis of this course. Students will research, develop, and present a healthcare educational program during the course while utilizing the appropriate principles. Open to students in the Bachelor of Science in Nursing (Prelicensure) and RN to BSN nursing programs only. Students are required to receive a grade of C+ or better in this course to continue in the nursing program.

Students in the Bachelor of Science in Nursing (Prelicensure) degree program will be required to have the following courses as a prerequisite: CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, INFO1001, EXSC3105, NURS3002, NURS1200, NURS2103, NURS3000, NURS2400, NURS3200, NURS3300, NURS3400, and NURS3100. Corequisites: NURS3600, NURS3305, and an open elective course.

Students in the RN-BSN program may take this course following successful completion of all NURS3000 courses with a grade of C+ or better.

Course offered: Fall.

NURS4404 Health Promotion and Disease Prevention 3 cr.
This course focuses on health education strategies which can be incorporated into primary care. It integrates the foundational concepts of nursing practice with the concepts of health promotion, risk reduction, and disease prevention. Wellness promotion of individuals and groups will be discussed as well as the need for risk factor reduction, screenings, and early intervention. The role of the nurse in educating individual patients as well as the availability of and involvement in community health promotion efforts will be addressed. Students are required to receive a grade of C+ or better in this course to continue in the nursing program. Prerequisites: C+ or better in all NURS3000 nursing courses and NURS4001.

Course offered: Fall.

NURS4901 Transition to Nursing Practice Practicum 1 cr.
During this course the student will experience a 15-hour practicum to develop his/her role as an entry level Registered Nurse and facilitate the transition from nursing student to professional nurse. The practicum will provide the student with the opportunity to observe and participate in a healthcare setting to identify clinical decision making issues common to the entry-level Registered Nurse. A grade of C+ or higher required in the practicum to pass the course and be eligible for graduation. Prerequisites: Open only to students enrolled in the prelicensure BSN program. CHEM1001, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS3002, NURS2103, NURS2400, NURS3003, NURS3200, NURS3300, NURS3400, NURS3100, NURS3305, NURS3600, and NURS4403. Corequisites: NURS4205, NURS4200, and an open elective course.
PHIL1001 Introduction to Philosophy 3 cr.
Introduction through analysis of primary source selections to five philosophical models of the universe: classical realism, idealism, naturalism, existentialism, and either positivism or analytic philosophy. Within each of the models the following areas will be studied: metaphysics, epistemology, ethics, social philosophy, philosophy of justice, philosophy of science, aesthetics, philosophy of religion and concluding or summary statement giving an overview of the model.
Meets the requirement for Humanities elective. Course offered: Fall, Spring.

PHIL1102 The Good Life 3 cr.
This course will examine various conceptions of the good life. Everyone has opinions about that. We will examine some of these, as well as pertinent philosophical texts, in order to ask how different opinions can be supported by evidence and reasonable argument, and to clarify concepts that have more than one meaning. We will practice asking and answering these questions in the course of talking about the good life and its various components such as love and marriage, and citizenship and freedom.
Meets the requirement for Humanities elective. Course offered: Spring.

PHIL3001 Ethics 3 cr.
The student will be able to recognize and define the various types of formal logic processes used in argumentation and distinguish between valid and invalid arguments. The student will be able to identify the six basic types of value systems and distinguish between the variations in the systems.
Meets the requirement for Humanities elective. Course offered: Fall, Spring.

PHIL3200 Ethics in Veterinary Medicine - students who need this course should take ANSC3100 Animals in Society

PHIL3300 Medical Ethics 3 cr.
This course is an examination of the various schools of moral philosophy and their application to ethical dilemmas that commonly arise in the medical field. The first half of the course emphasizes various formal ethical theories, such as teleological and deontological theories, which address the different approaches used in the creation of a personal code of ethics and the ethical principles guide a profession or a society. The second half of the course will have the student analyze common health care dilemmas and apply the theoretical principles and practical methods used in reaching ethical solutions to ethical problems. The areas of health care delivery, health care policy, and biomedical research will be addressed and the impact of current health care regulations will also be considered. 3 credits. Prerequisite: Sophomore standing.
Course offered: Fall.

PHSC1001 Integrated Physical Science 4 cr.
This course is an introduction to the basic principles and concepts of the physical sciences. Topics covered will pertain to the fields of physics, chemistry, geology, and astronomy. Emphasis will be placed on how these various disciplines impact our everyday life activities. Throughout the course, opportunities to investigate application of various subject matter will be provided in weekly laboratory sessions. Topics will include: properties and states of matter, chemical reactions, multiple forms of energy (i.e. electrical, magnetic, sound, light, and heat), space and time, and the evolution of the universe.
Meets the requirement for Science elective. Course offered: Spring.
PHYS1003 “Life, the Universe, and Everything: An Introduction to Wu Li”: A Conceptual Physics Course 3 cr.
This course is designed to introduce students on a conceptual level, to a large scope of physics, from classical mechanics to quantum theory. The course is designed as a 3-credit, non-lab science course. The emphasis will be on the broad concepts underlying the patterns and principles of natural phenomena. The applications and worked examples of real-life scenarios will be presented to ground the students and provide contextual meaning for the theories presented. Prerequisite: MATH1200 or MATH1300.
Course offered: Fall.

PHYS2001 Physics I 4 cr.
This is an introductory algebra based course. The course introduces natural laws of physics which covers linear and circular motion, gravitational and frictional forces, rotational motion, work and energy, momentum, fluids, thermal physics, and wave motion. Prerequisite: MATH1200 Algebra.
Meets the requirement for Science elective. Course offered: Fall.

PHYS2002 Physics II 4 cr.
Students will be introduced to the laws of physics which apply to electricity, magnetism, optics and nuclear energy. Special emphasis will placed on the relevance of other basic science material to such topics as nerve conduction, sensory transduction, diagnostic techniques (i.e. ultrasound, NMR, EKG, etc.), and nuclear medicine. Prerequisite: C or better in PHYS2001.
Meets the requirement for Science elective. Course offered: Spring.

PSYC1001 Introduction to Psychology 3 cr.
An introduction to the basic concepts and fundamental principles of human behavior using the historical background of psychology as a foundation, and present theory and research as a tool to explore principles of learning, human development motivation, stress, personality, interpersonal skills and mental health.
Meets the requirement for Social Science elective. Course offered: Fall, Spring.

PSYC1002 Developmental Child Psychology 3 cr.
This course examines the major child development theories and research; their practical implications for parents, educators, and child care workers. Physical, cognitive, language, social personality, and moral development from conception through middle childhood are the focus of this course. Current issues such as the working parent, child abuse, divorce, etc. are explored and discussed.
Meets the requirement for Social Science elective. Course offered: Fall, Spring.

PSYC1003 Basic Concepts and Principles in Applied Behavior Analysis 3 cr.
This course is the first in a three-course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification examination at the associates level in applied behavior analysis (BCABA). The course will provide an introduction to the basic concepts and principles of applied behavior analysis, along with a discussion of some of the ethical standards within the field.
Meets the requirement for Social Science elective. Course offered: Fall.

PSYC1013 Practicum in Applied Behavior Analysis 6 cr.
This practicum is designed to provide students with the supervised independent fieldwork to meet the experience requirements that, in conjunction with the ABA course sequence, will allow the student to sit for board certification as an associate behavior analyst (BCABA) through the Behavior Analyst Certification Board (BACB). Students are placed with an agency that provides ABA services where they will work approximately 24 hours a week over a 14 week semester. As part of the practicum, the student
will attend a group supervision session on campus every other week and be observed by an individual supervisor at their practicum site on the alternate weeks. An additional fee of $1,000 will be charged for this course.

Meets the requirement for Social Science elective. Course offered: Spring.

PSYC1107 Human Growth and Development 3 cr.
This course will emphasize the biological, psychosocial, cognitive, sexual, cultural, and moral development of the individual from conception through old age. The theories of Freud, Erikson, Piaget, Kohlberg, Kubler-Ross and other prominent psychologists will be applied to specific problems in the developmental process.

Meets the requirement for Social Science elective. Course offered: Spring.

PSYC1500 Mental Health First Aid 1 cr.
This course is a 15 hour course that includes the 8-hour certification training for Mental Health First Aid. Therefore, participants successfully completing the course will be certified in Mental Health First Aid. This course is designed to give participants the key skills to help someone who is developing a mental health problem or experiencing a mental health crisis. Evidence behind the MHFA program demonstrates that it makes people feel more comfortable managing a crisis situation and builds mental health literacy – helping participants identify, understand and respond to signs of mental illness.

Meets the requirement for Social Science elective. Course offered: Fall, Spring.

PSYC1501 Youth Mental Health 1 cr.
This course introduces common mental health challenges for youth, reviews typical adolescent development, and teaches a 5-step action plan for how to help young people in both crisis and non-crisis situations. Topics covered include anxiety, depression, substance use, disorders in which psychosis may occur, disruptive behavior disorders (including AD/HD), and eating disorders. Included in this course is the full 8-hour curriculum leading to certification in Youth Mental Health First Aid by the National Council for Behavioral Health.

Meets the requirement for Social Science elective. Course offered: Summer.

PSYC1502 Family Dynamics in Addiction 1 cr.
This course provides an introduction to the family dynamics in relation to addiction. Intergenerational patterns of addiction in the family will be explored. In addition, other issues to be addressed will include: patterns of functioning, prescribed roles of individual family members, and how the system operates internally and externally with other institutions, such as the community, school, employers, etc. This course requires a 10 hour field placement in an appropriate agency. Prerequisite: PSYC 1500 Mental Health First Aid

Meets the requirement for Social Science elective. Course offered: Summer.

PSYC1503 The Adolescent Experience 1 cr.
This course provides a brief introduction to theories of adolescent development, as well as an opportunity to examine the modern adolescent experience in the context of achievement motivation, family dynamics, peers & pop culture/media, and at-risk behaviors. Emphasis is on providing a context for viewing adolescents seen in human services settings. This course requires a 10 hour field placement in an appropriate agency. Prerequisite: PSYC 1501 Psychological First Aid for Youth.

Meets the requirement for Social Science elective. Course offered: Summer.

PSYC1504 Practical Psychopharmacology for Human Service Workers 1 cr.
This course provides an overview of the effects and side effects of psychiatric medications. The focus of the course will be on gaining knowledge useful in identifying: (1) whether or not a client is responding
to pharmacological treatment, and (2) client behaviors indicating adverse effects of medication that should be reported to the client’s healthcare provider. Prerequisites: PSYC 1500 Mental Health First Aid OR PSYC 1501 Psychological First Aid for Youth.

Meets the requirement for Social Science elective. Course offered: Spring, Summer.

PSYC2001 Psychology of Adjustment 3 cr.
Discusses circumstances everyone faces, from birth to death. Topics include loneliness and love, turning points, friendship, human sexuality, marriage lifestyles, and the process of aging and death.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

PSYC2002 Psychology of Personality 3 cr. “Course is offered during the Fall of even numbered years”
Major theoretical approaches to understanding personality including psychodynamic, humanistic, and cognitive as well as the less traditional Gestalt and Reichian approaches are critically examined. Theoretical material will be applied to real-life experiences in a variety of experiential formats.
Prerequisite: PSYC1001.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

PSYC2003 Behavioral Assessment & Data Collection Display and Interpretation 3
This course is the second in a three-course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification examination at the associates level in applied behavior analysis (BCABA). The course will teach the student how to conduct descriptive behavioral assessments, and how to display and interpret data in single-subject designs.
Prerequisite: PSYC1003.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring.

PSYC2013 Practicum in Applied Behavior Analysis 6 cr.
This practicum is designed to provide students with the supervised independent fieldwork to meet the experience requirements that, in conjunction with the ABA course sequence, will allow the student to sit for board certification as an associate behavior analyst (BCABA) through the Behavior Analyst Certification Board (BACB). Students are placed with an agency that provides ABA services where they will work approximately 24 hours a week over a 14 week semester. As part of the practicum, the student will attend a group supervision session on campus every other week and be observed by an individual supervisor at their practicum site on the alternate weeks. An additional fee of $1,000 will be charged for this course.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring, Summer.

PSYC2014 Writing for Psychology 3 cr. (previously PSYC3004 Writing for Psychology)
This course focuses on the fundamentals of scientific writing and professional written communication relevant to the field of human services/psychology. The course involves students in the writing of literature reviews, communication of statistics, and modification of research results for oral communication and poster presentations. For psychology majors only. Prerequisite: ENGL1003.

Meets the requirement for Psychology and Social Science elective.

PSYC2105 Social Psychology 3 cr.
This course provides the student with a working knowledge of how social situations affect behaviors, thoughts, and emotions. Topics include attraction, attitudes, prejudice, social roles, aggression, social perception and group dynamics. Readings will explore theories, research and application.
Prerequisite: PSYC1001.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring.
PSYC2107 Experimental Psychology 3 cr.
This course will introduce students to basic and applied research and experimental research methods in psychology. Students will read theory and research relevant to the various areas of study in psychology, such as self-esteem, romantic relationships and attraction, learning, stereotyping and prejudice, conformity and obedience, attitudes and persuasion, and judgment biases. Students will learn to read and critically evaluate psychological research while also learning to formulate their own research questions and create methodology to test these questions. The course will emphasize the importance of applied research and will introduce students to fields in which psychological research is used to solve real world problems in a community or organization. Prerequisite: PSYC 1001.

Meets the requirement for Psychology and Social Science elective. Course offered: Spring.

PSYC2110 Cultural Competence for Human Service Workers 3 cr.
This course prepares human service workers in developing awareness and skills to provide culturally competent services to meet the needs of a changing population. Students examine three core principles: the worker must be self-reflective and examine biases within themselves and their profession; the worker must have core knowledge about minority group value systems, beliefs about health and personal problems, histories, traditions and natural systems of support inherent in one's culture; and the worker must be able to demonstrate an integration of this knowledge and personal reflection with practice skills.

Meets the requirement for Global Awareness and Diversity, Psychology and Social Science elective. Course offered: Fall.

PSYC2203 Understanding Diversity 3 cr.
In the United States, the rapidly changing demographics of the population have increased cultural diversity at all levels in all segments of society. The course will incorporate discussion of gender, socioeconomic status, religion, race, and ethnicity, as they affect various aspects of interpersonal interactions. Students will work "from the inside-out", learning to recognize the impact of their own cultures on their existing world views, and then comparing their cultural assumptions to those of people from other groups with the goal of developing more positive relations across cultures. Prerequisite: PSYC1001 or SOCI1001

Meets the requirement for Global Awareness and Diversity, Psychology and Social Science elective. Course offered: Fall, Spring.

PSYC2300 Adolescents At-Risk 3 cr. (previously Adolescent Psychology) "Course is offered during the Fall of even numbered years"
Theories of adolescent psychosexual, psychosocial, cognitive and biological development will be presented. The application of these theories and issues to understanding delinquency and drug abuse during adolescence will be discussed along with the reading of the pertinent psychological literature in these areas. Prerequisite: PSYC1002 or PSYC1107.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

PSYC2303 Psychopharmacology for Counselors 3 cr.
A practical introduction to psychotropic medications, providing information about how commonly prescribed medications are used and how they work in the human body. This course examines modern drug treatment for mental disorders including psychosis, mood disorders, and addictions, and addresses different classes of drugs in conjunction with diagnostic factors, effectiveness, side effects, risk factors and biological actions. Prerequisites: PSYC1001; BIOL1001, BIOL1002, or BIOL2503, BIOL2504.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall.
**PSYC2400 Forensic Psychology 3 cr.**
This course considers the range of topics that are of concern both to psychologists and members of the legal profession. Many legal issues involve questions that are psychological in nature, referring to human behaviors and/or mental processes. For example, what factors are influential in the decisions made by juries? To what extent are eyewitness identifications reliable? When is a confession voluntary? When is a criminal defendant competent to stand trial? When may a criminal defendant be considered insane? What types of psychological defenses can a criminal defendant use in court? What issues are important in the treatment of the mentally ill? How much discretion should judges have in criminal sentencing? Psychology offers a new approach to these types of issues, based on scientific research and empirical knowledge. In this course we will investigate how psychologists work within the legal system as social scientists, consultants, and expert witnesses and how psychological theories, research data, techniques, and methods can enhance and contribute to our understanding of the judicial system.
Prerequisite: PSYC1001.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

**PSYC2405 Correctional Psychology 3 cr.**
Correctional psychology refers to the application of psychological research and theory to the field of corrections. This course will consider theory and research relevant to the following areas: perceptions of offenses and offenders, offender treatment and recidivism, and the responsibilities and occupational challenges facing correctional officers. This course will explore social judgment and decision-making within corrections in the context of interrogations, plea negotiations, sentencing, and parole. Students will also examine the efficacy of a restorative justice approach to correctional issues, including initiatives focused on improving the functionality of prisons, repairing the victim-offender relationship, and decreasing recidivism. Prerequisite: PSYC1001.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring.

**PSYC2505 Community Systems and Intervention** – Students who need this course should take PSYC2808 Psychological Tests and Measures

**PSYC2506 Case Management Practice 3 cr.**
Students will explore the essentials of case management with an emphasis on systems thinking. Students review the history of case management in human services, and examine the fundamental models, principles and components of case management in various human service settings, with an emphasis on current issues, trends and approaches. Topics include service delivery, crisis intervention, liaising between and among service providers.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

**PSYC2603 Brain and Behavior 3 cr.**
This survey course examines how biological factors influence behavior. Topics include organization of the brain, how the nervous system works, how body chemistry affects emotions, and genetic/temperament factors. These topics are applied to normal and abnormal behavior such as learning disabilities, sexuality and psychotic disorders. Prerequisites: PSYC1001 and any TWO of the following: BIOL1001, BIOL1002, BIOL2503, BIOL2504, BIOL1005, BIOL1006.
Meets the requirement for Psychology, Science for Biology, Social Science elective. Course offered: Fall.

**PSYC2705 Concepts and Principles in Applied Behavior Analysis 3 cr.**
This course is the first in a four course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification.
examination at the assistant level in applied behavior analysis (BCaBA). The course will provide an introduction to the basic concepts and principles of applied behavior analysis. Prerequisite: PSYC1001.

Meets the requirement for Psychology and Social Science elective. Course offered: Spring, Summer.

**PSYC2710 Assessment and Measurement in Behavior Analysis 3 cr.**
This course is the second in a four course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification examination at the assistant level in applied behavior analysis (BCaBA). The course will teach the student how to conduct descriptive behavioral assessments, how to use various measures, and how to display and interpret data on Excel graphs.
Prerequisite: PSYC2705.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring.

**PSYC2806 Educational Psychology 3 cr.**
Theories of learning, instruction, curriculum, assessment and evaluation will be explored as they apply to pedagogy in a variety of educational contexts. The course will focus on behavioral, cognitive, and humanistic learning theories as well as the learning principles that will serve as a general background for becoming an effective, reflective educator. Prerequisite: A 1000-level psychology course.

Meets the requirement for Psychology and Social Science elective. Course offered: Spring.

**PSYC2808 Psychological Tests and Measures 3 cr.**
This course provides an introduction to the uses of psychological tests and to the techniques of test construction and evaluation. Topics include: a survey of common tests in the areas of general classification, differential testing of abilities and measurement of personality characteristics.
Prerequisites: PSYC1001, MATH1200, and MATH2200.

Meets the requirement for Psychology and Social Science elective. Course offered: Spring.

**PSYC3003 Strategies for Changing Behavior 3 cr.**
This course is the third in a three-course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification examination at the associates level in applied behavior analysis (BCABA). This course will review methodologies used to design ethical and effective behavior analytic interventions. Prerequisites: PSYC1003 and PSYC2003.

Meets the requirement for Psychology and Social Science elective. Course offered: Spring.

**PSYC3004 Writing for Psychology 3 cr. (see PSYC2014 Writing for Psychology)**

**PSYC3013 Practicum in Applied Behavior Analysis 6 cr.**
This practicum is designed to provide students with the supervised independent fieldwork to meet the experience requirements that, in conjunction with the ABA course sequence, will allow the student to sit for board certification as an associate behavior analyst (BCABA) through the Behavior Analyst Certification Board (BACB). Students are placed with an agency that provides ABA services where they will work approximately 24 hours a week over a 14 week semester. As part of the practicum, the student will attend a group supervision session on campus every other week and be observed by an individual supervisor at their practicum site on the alternate weeks. An additional fee of $1,000 will be charged for this course.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring, Summer.
PSYC3100 Cognitive Psychology 3 cr.
An introduction to how the human mind processes information. Topics include perception, attention, memory, learning and problem solving. The related topics of intelligence are covered. Practical applications in educational and clinical settings are considered. Prerequisites: PSYC1001 or PSYC1002.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

PSYC3200 Psychology of Family 3 cr.
This course surveys psychological issues related to the family. Family is defined to include diverse forms. Current theory and research are applied to topics such as partner selection, roles and relationships, stress and coping, domestic violence, and addictions. Prerequisite: PSYC1001.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

PSYC3300 Addictions Counseling 3 cr.
This course is designed to provide students with a specific skill base for assessment and counseling of persons struggling with addictions. Students will also be introduced to the theory and empirically validated treatment approaches specifically developed for the special populations of those who are dually diagnosed, in chronic pain, and are adolescents and their families. Emphasis will be placed on developing competency in intake and assessment interviewing, behavioral treatment planning, and development of basic understanding of psychopharmacology as it applies to addiction counseling. Prerequisites: EXSC3205, PSYC3004, and PSYC3400 or PSYC3402 which may be taken concurrently and will require a waiver.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

PSYC3301 The 12 Core Functions of the Substance Abuse Counselor 3 cr.
This course is split into two sections; Core Functions of Counseling and Group Treatment. The course provides the student with the 12 core functions of addiction counseling and gives the student the fundamentals of running groups for addicted clients. The intent of introducing students to the core functions is to help them develop skills and competencies that will help them learn how to take clients through the treatment process from screening and intake, to treatment planning and counseling, ending with referral (if needed). The class will also introduce the student to the most widely used modality in substance abuse treatment, the group. We will explore the transtheoretical model of behavior change which is widely viewed as the evidence based modality that consistently produces positive outcomes.
Prerequisite: PSYC1001.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring, Summer.

PSYC3305 Group Counseling 3 cr.
This course will expose students to the theories and techniques of working with clients in groups. The course will focus on group work as a method, and its relationship to other counseling techniques. Students will gain theoretical and experiential knowledge of group process, including leadership, membership, developmental stages, and types of groups. Prerequisites: Must be taken concurrently or subsequent to PSYC3400 or PSYC3402.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring, Summer.

PSYC3400 Abnormal Psychology 3 cr.
This course studies important issues in mental/health illness. Problems in defining abnormality are discussed. Biological, psychodynamic, behavioral and family systems are examined. The wide spectrum of abnormal behavior from mild to severe as well as current trends in the treatment of these disorders, are discussed. This course may include field trips. Prerequisite: PSYC1001.
Meets the requirement for Psychology and Social Science elective. Course offered: Spring.
PSYC3402 Child Psychopathology 3 cr. “Course is offered during the Fall of even numbered years”
The goal of this course is to examine psychological theory, research and practice as it relates to the assessment, diagnosis, treatment, and prevention of psychological disorder of children. Prominent theories of developmental psychopathology will be integrated with current research in the child behavior disorders. Specific topics to be covered include attention-deficit disorder, conduct problems, fears and phobias, depression, autism and childhood-onset schizophrenia, eating disorders, sleep disorders, and elimination disorders. Prerequisites: PSYC1001 and PSYC1002 or PSYC1107.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring.

PSYC3603 Positive Psychology 3 cr.
Positive Psychology is the scientific study of optimal human functioning. This course will consider human functioning at several levels, including biological, experiential, personal, relational, and cultural. The pillars of Positive Psychology as proposed by Dr. Seligman, the pleasant life, the good life and its corresponding signature strengths, and the meaningful life will all be explored. Enhancing the quality of life through Csikszentmihalyi’s groundbreaking work on FLOW will expand the initial concepts of Positive Psychology. The topics of emotional intelligence, mindfulness, and schema therapy, based on the latest research in neuroscience and cognitive psychology, will all be addressed in their relationship to optimal human functioning. Prerequisites: PSYC1001.
Meets the requirement for Psychology and Social Science elective. Course offered: Spring.

PSYC3605 Zoobiquity Theory 3 cr.
This course explores how animal and human commonality can be used to diagnose, treat, and heal patients of all species. Drawing on the latest research in both medical and veterinary science, as well as evolutionary and health psychology, students develop an integrated, interdisciplinary understanding of physical and behavioral health, including psychiatry, pediatrics, cardiology, gastroenterology, and many other subspecialties.
Prerequisites: PSYC1001; BIOL1001 and BIOL1002, or BIOL1005 and BIOL1006, or BIOL2503 and BIOL2504.
Meets the requirement for Psychology and Social Science elective.

PSYC3700 Sports Psychology 3 cr.
This course provides an introduction to the psychological variables that affect motivation, goal setting performance, anxiety and aggression in sport. Prerequisite: PSYC1001.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

PSYC3705 Beginning Strategies for Changing Behavior 3 cr.
This course is the third in a four course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification examination at the assistant level in applied behavior analysis (BCaBA). The course examines ethical issues faced by those working in the field of behavior analysis, introduces the experimental designs, and then begins the review of methodologies used to design ethical and effective behavior analytic interventions.
Prerequisites: PSYC2705, PSYC2710.
Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Summer.

PSYC3710 Advanced Strategies for Changing Behavior 3 cr.
This course is the fourth in a four course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification examination at the assistant level in applied behavior analysis (BCaBA). This course continues the review of methodologies used to design ethical and effective behavior analytic interventions. In addition,
the course reviews behavior changes systems and the management and supervision of the behavioral services. Prerequisites: PSYC2705, PSYC2710, PSYC3705.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring, Summer.

PSYC3902 Psychology Internship I and Seminar 3 cr. (offered in fall semester)  
This course is based on a service-learning model, and provides students with an introduction to the experience of working in a professional capacity in a human service setting. Students will complete 150 hours of related work at the placement site. Hours may include direct consumer contact, professional training's, supervision meetings, attendance at interdisciplinary meetings, home visitations, supervised assessments, and completion of related documentation. Students will receive on-site supervision on a regular basis, and will attend a weekly seminar on campus. Students are expected to work with the course instructor a minimum of 1 semester in advance to select a placement setting, arrange for initial interviews, and establish specific learning goals tailored to the individual student's needs. Prerequisite: Completion of PSYC3400 or PSYC3402, and a minimum GPA of 3.0.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall.

PSYC3903 Psychology Internship II and Seminar 3 cr. (offered in spring semester)  
Supervised fieldwork in community agencies, hospitals, courts, or other related settings. Students will complete 150 hours of work at the placement site. Students also meet with faculty and other internship participants for discussion, integrating their practical experience with psychological theory and research. Prerequisites: PSYC3400 or PSYC3402 and a minimum of 3.0 GPA.

Meets the requirement for Psychology and Social Science elective. Course offered: Fall, Spring.

PSYC4001 Research Methods – Students who need this course should take PSYC4005

PSYC4005 Research Methods in Behavioral Sciences with Lab 4 cr.  
This course provides an introduction to the major research methods in the behavioral sciences, to include survey, experimental and field research. The logic, design and execution of the research process are considered with concern for elementary analysis of data. Laboratory exercises in data analysis and interpretation will include introduction to SPSS. Prerequisites: C or better in PSYC2107, MATH2200. Students with an A in MATH 1200 may take MATH 2200 concurrently, through a prerequisite waiver.

Meets the requirement for Social Science elective. Course offered: Fall, Spring.

PSYC4007 Advanced Research Methods in Psychology 1 cr.  
This one-credit course may be repeated once for a total of two credits. The course is designed to engage students in various aspects of psychological research. Specific content will vary widely, reflecting the variety of questions and methods used in psychological research: collecting data, coding data, running statistical analyses, writing in APA style, and critically reflecting on research outcomes. All experiences will be aimed at providing substantial hands-on involvement in the research process and background reading in the research area. All students will be expected to attend a professional research conference with his/her research team. Prerequisite: Previous or concurrent enrollment in ANSC4700 or JUST4001 or LGLS4100 or MGMT3105 or MKTG4001 or SOCI4001 or PSYC4001 and permission of instructor. Concurrent enrollment will require a waiver.

Meets the requirement for Social Science elective. Course offered: Fall, Spring.

PSYC4200 Contemporary Issues in Psychology 3 cr.  
Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived at http://www.becker.edu/academics/course-descriptions/special-topics-courses. Student may
take course multiple times to earn credit for a different topic. Prerequisites: ENGL1003; PSYC1001 or SOCI1001.
Meets the requirement for Social Science elective. Course offered: Fall, Spring.

PSYC4300 Substance Abuse Treatment in Groups 3 cr. (previously Substance Abuse Counseling in Groups)
This course will provide students with theoretical and practical frameworks for developing skills in the area of substance abuse counseling methods, treatment modalities, and referral systems and procedures. Specific issues involving clients with substance dependency will be examined and will include substance dependent older adults, dually diagnosed clients, and patients with physical challenges. Students will also be exposed to basic psychopharmacology as it relates to addictions treatment. Ethics, assessment and treatment interventions will be emphasized. Prerequisites: EXSC3205, and PSYC3300 or PSYC3400 or PSYC3402.
Meets the requirement for Social Science elective. Course offered: Fall, Summer.

PSYC4301 Counseling Children 3 cr. “Course is offered during the Spring of even numbered years”
This course sets the stage for understanding the child and family of today and tomorrow - their personas and the social, cultural, educational, and psychological environments that help shape them. Course focus will be on combining and integrating counseling skills with the therapeutic process, emphasizing how the counselor relates to the child and parent. Emphasis is placed on the process and practice specifically applied to the counseling of children and their parents. Course topics include problems in society and their effect on children, establishing a therapeutic relationship, choosing treatment strategies, counseling the developing child, individual and group counseling approaches, behavioral approaches with children, and counseling with parents. Prerequisites: PSYC3004, and PSYC3400 or PSYC3402.
Meets the requirement for Social Science elective. Course offered: Spring.

PSYC4306 Counseling Theory and Practice 3 cr. “Course is offered during the Spring of odd numbered years”
This course offers an overview of several contemporary theoretical models of helping, and covers the skill needed to begin professional interviewing and counseling. Ethics and multicultural understanding are emphasized. Prerequisites: PSYC3004, and PSYC3400 or PSYC3402.
Meets the requirement for Social Science elective. Course offered: Spring.

PSYC4400 Criminal Minds 3 cr. "Course is offered in even numbered years"
This course provides opportunity to study of the psychological bases and dynamics of criminal behavior. Topics to be discussed include the "antisocial personality"; the "psychopath"; psychosis and crime; alcoholism and drug abuse; the adolescent offender; the female offender; and "sex" offenders. Prerequisite: PSYC3400.
Meets the requirement for Social Science elective. Course offered: Fall.

PSYC4600 Senior Seminar in Psychology 3 cr.
This is a capstone course requiring students to engage in an in-depth examination of a psychological issue. The student will carry out an original research project, provide an educational presentation, and produce a career portfolio. Prerequisite: PSYC4001 or PSYC4005.
Meets the requirement for Social Science elective. Course offered: Spring.

PSYC4902 Psychology Honors Practicum 9 cr.
Students will engage in a minimum of 420 hours of supervised practicum at an advanced level, in professional settings geared toward individual student interests. Practicum students are required to engage in 35-40 hours of professional service per week, for minimum of 12 weeks. Students will be
assigned to site supervisors and specific experiences will be tailored to individual interests. Students will complete a portfolio related to their experience, and will present a formal case study or empirical study to the Department of Teacher Education and Family studies upon completion of practicum hours. Students are expected to meet with the field placement coordinator for a minimum of 1 hour every two weeks. On site supervision is provided more frequently. Meets the requirement for Social Science elective. Course offered: Spring.

PSYC4903 Practicum in Addictions Counseling 6 cr. "An additional fee of $1000 will be charged for this course" This course is designed to provide students with the supervised practical training requirements that, in conjunction with specific courses and work experience, allow the student to sit for board certification as a Licensed Alcohol and Drug Counselor II through the Massachusetts Board of Registration/Office of Health and Human Services. Students are placed with an agency that provides addictions education and counseling, where they will work approximately 24 hours a week over a 14 week semester. As part of the practicum, the student will attend a group supervision and seminar class on campus every other week and be observed by an individual supervisor at their practicum site on the alternate weeks. Prerequisites: EXSC3205, and PSYC3300 or PSYC3400 or PSYC3402, and a minimum GPA of 2.0. Meets the requirement for Social Science elective. Course offered: Spring, Summer.

SOCI1001 Introduction to Sociology 3 cr. This course explores the scientific dimensions of the sociological enterprise. Students are introduced to orienting concepts like culture, socialization and role; the constructed nature of human meaning systems; and theory building in sociology. Meets the requirement for Social Science elective. Course offered: Fall.

SOCI2001 Criminology 3 cr. Crime and the law are examined from diverse theoretical perspectives. Students use computer applications to interpret national crime statistics and the results of self-report and victim surveys. Prerequisite: PSYC1001 or SOCI1001. Meets the requirement for Social Science elective. Course offered: Fall.

SOCI2100 Women of the World: Health, Social Challenges, and Solutions 3 cr. In this course, students study the patterns of inequality in various countries and how these inequalities affect women’s health, education, and power. Students analyze women’s critical health and social issues that influence their life experience, including those of children and men. Through lecture, discussion, writing, guest speakers, field trips, and films students have the opportunity to examine their own world views and learn how they can effect positive change in the world today. Prerequisite: PSYC1001 or PSYC1002 or SOCI1001. Note: This course meets the global diversity course requirement. Meets the requirement for Global Awareness and Diversity and Social Science elective. Course offered: Spring.

SOCI2400 Social Problems 3 cr. This course will provide students with insight into social problems by examining specific social problems from both a sociological/adult view and from a child’s perspective. Issues to be covered include, but are not limited to, gender identity and socialization, violence in society, media influences, substance abuse, and family-related problems such as child abuse and neglect, and family violence. Special emphasis will be given to the current legal and socioeconomic trends that affect both adults and the education of young children, including anti-bias curriculum issues, the changing family, and political influences. Prerequisite: PSYC1001 or SOCI1001. Meets the requirement for Social Science elective. Course offered: Spring.
SOCI3001 Individual and Society 3 cr.
American society is studied for its impact on the formation of individual biographies. Relationships among modernization, culture, identity and personality are examined in detail. All topics are grounded in theories depicting the interplay of structure and action in everyday life. Prerequisite: PSYC1001 or SOCI1001.
Meets the requirement for Social Science elective. Course offered: Fall.

SOCI3100 Juvenile Delinquency 3 cr.
This course investigates the history and causes of American delinquency. Special consideration is given to cultural definitions of the child, their historical transformation and their impact on the criminal justice system. Theories of delinquency are examined in detail. Prerequisite: PSYC1001 or SOCI1001.
Meets the requirement for Social Science elective. Course offered: Spring.

SOCI3110 Human Geography 3 cr.
This course focuses on the ways through which all places on Earth are interconnected and how the human use of the Earth’s surface varies over space. Major topics covered will be: the human perception of earth space and the ways people give order to space; the growth and distribution of human population; the localization and spatial characteristics of patterns of settlement and land use; geopolitics and colonialism; environmental geography; the geography of economic development and modernization; the principles of the analysis of spatial diffusion; spatial aspects of retail marketing; and the geographic analysis of gender issues, racism, poverty, sports, religion, and cultural nuances. Prerequisites: SOCI 1001 and HUMN 2103.
Meets the requirement for Social Science elective.

SOCI3200 Deviance and Social Control 3 cr.
This course examines the forms and causes of individual, professional and organizational deviance. The role of society in the definition and management of misconduct is evaluated. Examples of deviant activities that may be considered include suicide, mental illness, alcoholism, cults, white-collar crime and political corruption. Prerequisite: PSYC1001 or SOCI1001.
Meets the requirement for Social Science elective. Course offered: Spring.

SOCI3600 Global Poverty and Economic Inequality 3 cr.
This course covers contemporary methods in defining and measuring poverty worldwide, sociological theories of poverty and economic inequality, the nature, causes, and consequences of poverty, and ways to alleviate poverty. This is a service-learning course where students will spend one week in an off-campus experience which will require travel, attending presentations and participating in hands-on activities related to hunger and homelessness. Prerequisite: SOCI2400 or HUMN2103. NOTE: A fee of up to $1,000 will be assessed for this course.
Meets the requirement for Global Awareness and Diversity and Social Science elective. Course offered: Fall, Spring.

SOCI4001 Data Analysis 3 cr.
The fundamentals of quantitative analysis are introduced in a computer environment. Analytical procedures are presented as tools for exploration and discovery and as tools for the verification of research hypotheses. The course provides experience in the use of database, spreadsheet and statistical programs. Problems for analysis are found in both institutional and social research settings. Prerequisites: PSYC1001 or SOCI1001, and MATH2200.
Meets the requirement for Social Science elective. Course offered: Spring.
SPAN1001 Conversational Spanish I 3 cr.
The course is designed to develop the student’s knowledge of the four foundational skills of a foreign language study: listening, speaking, reading and writing. Course methodology is based on audio-lingual approach, using guided conversation and oral and written dialogues to introduce grammatical structures. Oral and written drills, individual oral assignments, impromptu discussions and readings serve to reinforce learned materials. Emphasis is on enhancing the student’s conversational ability. Course content covers a variety of topics, culturally enriching, practical and flexible to the needs of the student.
Meets the requirement for Humanities elective. Course offered: Fall, Spring.

SPAN1002 Conversational Spanish II 3 cr.
This course is designed to further develop the student’s ability to speak and understand Spanish. Conversation is stressed. Readings are used as further basis of conversation and grammar review. Prerequisite: SPAN1001.
Meets the requirement for Humanities elective. Course offered: Fall, Spring.

SPMG2302 Introduction to Sports Management 3 cr.
This course is designed to give students basic skills to develop and implement an employee health/fitness program. Emphasis is placed on facility development management, programming and leadership procedures. Assignments and case studies will be utilized in the learning process.
Meets the requirement for Business elective. Course offered: Fall.

SPMG2400 Sport Marketing and Event Management 3 cr. (previously SPMG3300 Sport Marketing and Event Management)
This course provides an in-depth view of the many aspects of sport marketing as it has evolved into a multi-billion dollar industry. The first theme views sports as one the vehicles to promote a product, service or organization. Students explore how non-sport related business can benefit from using sports as part of their marketing program. The second theme focuses on the application of marketing principles and theories to promote sports and sport related products (including professional, college or amateur teams, events and recreation). Students discuss the various ways that organizations plan and manage sporting and other types of events, and will gain an understanding of the economic impact of, as well as possible careers in, the sports industry. Case studies and current events will provide an opportunity to put the course material into practice. Assignments and case studies will be utilized in the learning process. Prerequisites: ENGL 1001.
Meets the requirement for Business elective. Course offered: Fall, Spring.

SPMG2600 Sport Administration and Governance 3 cr.
This course covers the administrative elements of human resource management, motivation, interpersonal communication and staff development/evaluation as they relate to sports. Students will analyze the governing organizations of sports at the recreational, secondary, intercollegiate, professional, international, amateur, and Olympic levels. Assignments and case studies will be utilized in the learning process.
Meets the requirement for Business elective. Course offered: Fall.

SPMG3100 Sports Facility Management 3 cr.
This course deals with the business side of sports programs and facility marketing and management. It addresses the issues of facility type, location, scheduling, construction and maintenance, as well as the management and conduct of recreation programs for nonprofit organizations, colleges and universities,
and profit-making enterprises like health/fitness centers, country clubs/resorts and sport retail operations. Assignments and case studies will be utilized in the learning process. Prerequisite: SPMG2302 or SPMG2600.

Meets the requirement for Business elective. Course offered: Fall.

SPMG3300 Sport Marketing and Event Management 3 cr. (see SPMG2400 Sport Marketing and Event Management)

SPMG3700 Sports Management Seminar 3 cr.
This course is intended to provide the student with the knowledge and understanding of the operations of various public and private sports facilities. This includes both the business and the athletic/recreational aspects of the organizations. Included are many speakers from various sports organizations, field trips and individual student projects connected to selected facilities in the area. Prerequisites: MGMT1000, SPMG2302.

Meets the requirement for Business elective. Course offered: Spring.

SPMG4200 Legal and Ethical Issues in Sports 3 cr.
This course will provide students interested in becoming a sport professional, with an understanding of the legal system as a whole and the unique legal problems and responsibilities faced in managing a sports activity. The sports professional will be educated to identify potential legal liability and to avoid unnecessary legal risks. Assignments and case studies will be utilized in the learning process. Prerequisite: LGLS2205 or SPMG2302 or SPMG2600.

Meets the requirement for Business elective. Course offered: Spring.

SPMG4500 Sport Finance and Economics 3 cr.
Students will analyze financial and economic concepts applied to sports environments. Sport enterprises will be viewed as economic systems, which must respond to changes in supply, demand, and market trends. Students will explore fundraising for various constituencies as well as overall budgeting and fiscal management of sports organizations. Assignments and case studies will be utilized in the learning process. Prerequisites: MATH1200; and SPMG2302 or SPMG2600.

Meets the requirement for Business elective. Course offered: Fall.

SPMG4900 Practicum in Sports Management 3 cr.
This is a 150-hour supervised field experience under the direct guidance of a qualified professional manager. Assignments are made with a member of the department faculty. This offers students an opportunity to gain substantial practical experience within their major.

Course offered: Fall, Spring.

SPMG4901 Internship in Sports Management 3 cr.
This is a 150-hour supervised field experience under the direct guidance of a qualified professional manager. Assignments are made with a member of the department faculty. This offers students an opportunity to gain substantial practical experience within their major.

Course offered: Fall, Spring.

VTSC1101 Clinical Veterinary Experience I 4 cr.
Lecture and laboratory introduce the role of the veterinary technician. Medical terminology, principles of animal behavior, basic nursing care, client communication, medical record keeping and career choices are discussed in lecture. Laboratories include animal restraint and handling, nursing skills, physical exams and clinical rotations through the Becker Veterinary Clinic. Students are responsible for completing a kennel duty rotation. Students are required to have a lab coat, name tag, and stethoscope.
These may be purchased through the College at a reduced cost or students may provide their own, approved by the course director. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. A grade of C (73%) or better is required in both lecture and lab for graduation from the Veterinary Technology and Science programs. Prerequisite OR corequisite: BIOL 1005

Course offered: Fall, Spring.

VTSC1102 Clinical Veterinary Experience II 4 cr.
This course consists of both lecture and laboratory components which focus, in greater detail, on the aspects of veterinary nursing which were introduced in VTSC1101. These nursing aspects include more advanced techniques such as venipuncture, intravenous catheterization, bandaging, and introduction to electrocardiography. It also encompasses a clinical symptoms approach to common diseases, poisonings and emergency medicine. Students are required to participate in clinical work consisting of rotations through the Becker Veterinary Clinic, laboratory techniques review, and kennel duty. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. Prerequisites: C (73%) or better in VTSC1101 and BIOL1005; prerequisite OR corequisite: BIOL1006. A grade of C or better is required in both the lecture and laboratory portion for graduation from the Veterinary Technology and Science Programs.

Course offered: Fall, Spring.

VTSC1200 Veterinary Pharmacology 2 cr.
A study of commonly used drugs in veterinary medicine and their practical application for the veterinary technician. Emphasis on classification of drugs, their uses and side effects; weights and measures; drug dosage calculations; the handling, labeling and dispensing of medications; and pharmacy inventory and maintenance. This course requires a strong background in algebra, the metric system, and an understanding of word problems. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. Prerequisites: C or better in VTSC1101, BIOL1005, CHEM1001, and MATH1200 or MATF1002 with concurrent enrollment in MATH1200. A grade of C or better is required for graduation from the Veterinary Technology and Science Programs.

Course offered: Fall, Spring.

VTSC2000 Laboratory Animal Science 2 cr.
This course introduces the student to the laboratory animal research environment and to the selection, care, and use of laboratory animals. Topics include restraint, identification, husbandry, breeding, nutrition, behavior, and physiology of small animal laboratory species. The course also surveys common disease, breeding, housing, governmental regulations, sentinel programs, equipment and research ethics in biomedical research. Laboratories will include animal restraint, physical examination, gavage, injection and sampling techniques, radiology, parasitology, anesthesia, and necropsy as applied to laboratory animals. Prerequisites: A grade of C or better in VTSC1101/1102/1200, BIOL1005/1006, CHEM1001/1002, and MATH1200. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

Course offered: Fall, Spring.

VTSC2001 Veterinary Radiology 2 cr.
Lectures explore the theory and principles of radiology and radiation safety. Laboratories train students in the basic skills of radiology including operating the x-ray machine, manual and automatic film processing, animal restraint and positioning, and special diagnostic techniques. Prerequisites: A grade of
C or better in VTSC1101/1102/1200, BIOL1005/1006, CHEM1001/1002, and MATH1200. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Concentration. A grade of C or better is required for graduation from the Veterinary Technology and Science programs.

Course offered: Fall, Spring.

VTSC2101 Veterinary Hematology 3 cr.
The two hours of lecture covers the theory behind laboratory work involved with hematology and clinical chemistry. The 2 hour laboratory provides the hands-on experience in doing clinical laboratory examinations on blood and body fluids. Prerequisites: C or better in VTSC1101/1102/1200, BIOL1005/1006, CHEM1001/1002, and MATH1200. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. The student must pass both the lecture and the laboratory sections with a C or better to complete the course with a minimum grade of C, which is required for graduation in the Veterinary Technology and Science programs.

Course offered: Fall, Spring.

VTSC2102 Clinical Pathology 3 cr.
The two hours of lecture will present the theory behind clinical urinalysis, parasitology and cytology of domestic and non-domestic species. The two hour laboratory provides clinical experience in urinalysis, cytological examinations and the various methods used to detect parasites. Prerequisites: C or better in VTSC1101/1102 and 1200, BIOL1005/1006, CHEM1001/1002, and MATH1200. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. The student must pass both the lecture and the laboratory sections with a C or better to complete the course with a minimum grade of C, which is required for graduation in the Veterinary Technology and Science programs.

Course offered: Fall, Spring.

VTSC2201 Farm Animal Skills 2 cr.
The student is introduced to five common domestic large animal species. Emphasis is placed on anatomy, restraint, physical examination, nursing care, diagnostic techniques, reproduction and common diseases. Prerequisites: C or better in VTSC1101/1102/1200, BIOL1005/1006, CHEM1001/1002, and MATH1200. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

Course offered: Fall, Spring.

VTSC2500 Veterinary Anesthesia & Surgery 4 cr.
The two hours of lecture topics include principles of patient evaluation, anesthetic drugs, equipment management, instrumentation, anesthetic pollution safety, surgical nursing, dental diseases, overview of common surgical procedures and anesthetic emergencies. The laboratory consists of 4 hours and emphasizes practical aspects of aseptic technique, patient monitoring, surgical instrumentation, preparation for surgical procedures and dental prophylaxis. Prerequisites: C or better in VTSC1101/1102/1200, BIOL1005/1006, CHEM1001/1002, and MATH1200. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. The student must pass both the lecture and the laboratory sections with a C or better to complete the course with a minimum grade of C, which is required for graduation in the Veterinary Technology and Science programs.

Course offered: Fall, Spring.
VTSC2900 Externship Module I 2 cr.
Offers clinical experience in animal care, medication and treatment of veterinary patients and exposure to diagnostic techniques, technical laboratory skills and record keeping used in veterinary practice. Students perform their externships between the freshman and sophomore years or during intersession for a minimum of 200 hours. Students must have acquired a cumulative GPA of 2.0 or better in order to participate in externships. Transportation and locating an appropriate externship site are the sole responsibility of the student. The externship site must be pre-approved by the course coordinator prior to the end of the semester preceding the externship. Also, during the semester, students participate in a seminar class. A student who has successfully completed the 200 hour externship but has changed majors may remain in the course to earn the credits. Students will be withdrawn if the 200 hour externship is not successfully completed and verified prior to the end of the drop/add period. Prerequisites: C or better in VTSC1101/1102, VTSC1200, BIOL1005/1006, CHEM1001/1002, and MATH1200. Open only to Veterinary Technology students and Veterinary Science majors in the Pre-Veterinary Concentration or the Clinical and Laboratory Animal Medicine Concentration. A grade of C or better is required for graduation in the Veterinary Technology and Science programs. Course offered: Fall, Spring.

VTSC2902 Practical Experience I 1 cr.
As part of the second year of the Veterinary Technology curriculum students participate in both exam room sessions in the Lenfest Animal Health Center and in field trips, accompanied by faculty and staff to nearby animal shelters and humane societies. The intent and purpose is for students to practice skills learned in VTSC1101, VTSC1102 and on the externship. A minimum number of sessions will be required of all students, and will be scheduled by staff to fit the students' class schedules and availability of facilities. Prerequisites: C or better in VTSC1101/1102, VTSC1200, BIOL1005/1006, CHEM1001/1002, and MATH1200, VTSC2900 or co-requisite. VTSC2902 and 2904 may be taken concurrently. A grade of C or better is required for graduation in the Veterinary Technology and Science programs. Course offered: Fall, Spring.

VTSC2904 Practical Experience II 1 cr.
This course is a continuation of the experiences in VTSC2902. As part of the second year of the Veterinary Technology curriculum students participate in both exam room sessions in the Lenfest Animal Health Center and in field trips, accompanied by faculty and staff to nearby animal shelters and humane societies. The intent and purpose is for students to practice skills learned in VTSC1101, VTSC1102 and on the externship. A minimum number of sessions will be required of all students, and will be scheduled by staff to fit the students' class schedules and availability of facilities. Prerequisites: C or better in VTSC1101/1102, VTSC1200, BIOL1005/1006, CHEM1001/1002, and MATH1200, VTSC 2900 or co-requisite. VTSC 2902 and 2904 may be taken concurrently. A grade of C or better is required for graduation in the Veterinary Technology and Science programs. Course offered: Fall, Spring.

VTSC30UG Special Topics Course 3 cr.
Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived at http://www.becker.edu/academics/course-descriptions/special-topics-courses. Student may take course multiple times to earn credit for a different topic. Course offered: Fall, Spring.

VTSC3100 Laboratory Animal Management 3 cr.
Introduces scientific and technical information about organizations, associations and regulations that apply to animal laboratory care in a research facility. Specifically details the responsibilities of AALAS,
AAALC, FDA, NABR, etc. and defines all standards that must be followed in the organized field of laboratory animal science. Managerial skills and responsibilities needed to oversee the functioning of research institutions are covered in detail. Prerequisite: ANSC 2000 or VTSC2000. A grade of C or better is required for graduation in the Veterinary Science program.

**Meets the requirement for Science for Biology and Veterinary Science elective. Course offered: Spring.**

**VTSC3200 Clinical Animal Behavior 3 cr.**
This course takes an in-depth look at animal behavior in a variety of species in subject areas such as communications, social structure, biological rhythms, sexual and maternal behavior, development, learning, training, aggression, enrichment and abnormal behavior as it relates to drugs, pain, medical problems, environmental issues and stress. A variety of evaluation methods will be covered as well. Prerequisites: C or better in VTSC1200, VTSC2201, and VTSC2000. VTSC 2000 may be taken concurrently.

**Course offered: Spring.**

**VTSC3300 Disaster Preparedness for Animals 3 cr.**
This course introduces the student to the issues and tasks involved with disaster preparedness in general as well as the unique situations involved with rescuing and sheltering all types of animals. Various topics will include networking with veterinary facilities, animal shelters, human shelters and municipal authorities. Natural disasters as well as agro-terrorism will be covered. A study of past disasters will be part of the course, to determine what has worked and what has not. An on-line course component presented by FEMA’s National Incident Management System will also be a part of the course. Prerequisite: Junior status in the Animal Studies Programs. A C or better is required for graduation. **Meets the requirement for Veterinary Science and Equine elective. Course offered: Fall, Spring.**

**VTSC3400 Immunology 3 cr.**
This course surveys the basic principles of immunology with emphasis on knowledge gained from human and animal research. Topics to be discussed include: innate immunity and complement; antibody structure, antigen recognition; humoral and cell mediated immunity; over-reactive and deficient immune systems; and immunization. The course instructor assumes that the student has prior knowledge of basic cell biology, cell physiology, and microbiology. Prerequisites: C or better in VTSC 2101/2102 and BIOL 2502 OR permission of instructor. A grade of C or better is required for graduation in the Veterinary Science program if used as a Veterinary Science elective. **Meets the requirement for Science for Biology elective. Course offered: Spring.**

**VTSC3401 Pathophysiology of Disease 3 cr.**
Presented in an organ system format, this course provides a comparative approach to animal health and disease of the major domestic animal species. Eight major systems will be explored (integumentary, musculoskeletal, neurosensory, cardiovascular, respiratory, digestive, renal and reproductive). The anatomy and physiology shared by all animals is reviewed with the comparative differences emphasized. Clinical signs of organ dysfunction, pathophysiology, diagnostic tests and treatment/prevention strategies are discussed using examples of selected important diseases. The course instructor assumes that the student has prior knowledge of basic physiological principles, common diagnostic procedures,
and common therapeutic practices in veterinary medicine. Prerequisites: C or better in VTSC2000/2101/2102/2201. A grade of C or better is required for graduation in the Veterinary Science program.

Course offered: Fall.

VTSC3402 Advanced Veterinary Nursing Techniques 3 cr.
This course is designed to give the veterinary science student interested in clinical medicine a more advanced understanding of diagnostic tests and therapeutic procedures. Selected topics such as various intravenous catheterization techniques, CPR, oncology therapeutics, physical therapy, fluid therapy, and advanced diagnostic imaging will be discussed. The laboratory is designed to give the student a ‘hands-on’ approach to these techniques. The course instructor assumes that the student has prior knowledge of basic physiological principles, common diagnostic procedures and common therapeutic practices in veterinary medicine. Prerequisites: C or better in VTSC2000/2001/2101/2102/2201/2500. A grade of C or better is required for graduation in the Veterinary Science program.

Meets the requirement for Veterinary Science elective. Course offered: Spring.

VTSC3600 Clinical Veterinary Nutrition 3 cr.
This course covers macro- and micronutrients and their function in the health of livestock, companion, laboratory and exotic species of animals. The first half of the semester includes a discussion of animal nutrition, feed compositions and formulations, ration balancing, gastrointestinal physiology, metabolism and regulation thus providing the backbone for the second half of the semester. These topics are covered relevant to a variety of animal species and commercial diets of healthy animals. Ration formulation will require formulations and analytics to determine optimum nutrition for any given species and condition. The second half of the course addresses the role nutrition plays in diseases of companion animals, specifically dogs and cats with case studies and extrapolation to other species. Different feeding modalities will also be covered. A strong understanding of biochemistry, gastrointestinal physiology and nutrient metabolism relevant to disease processes will be necessary to understand how to formulate or judge appropriate therapeutic diets. Prerequisites: C or better in CHEM3003 (Biochemistry). A grade of C or better is required for graduation in the Veterinary Science program.

Course offered: Fall.

VTSC4102 Laboratory Animal Diseases 3 cr.
This course introduces the common diseases and conditions of common lab animal species. Clinical signs, diagnostic tests, recommended treatments and possible prevention techniques in the research facility will be discussed. Students will gain knowledge of zoonotic and public health concerns, and understand the impact these diseases and conditions can have on the research being conducted. Prerequisites: ANSC 3401, ANSC 3402, and VTSC 3100; or VTSC 3401; or permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science Pre-Veterinary concentration and Clinical and Laboratory Animal Medicine concentration.

Meets the requirement for Science for Biology and Veterinary Science elective. Course offered: Spring.

VTSC4401 Companion Animal Diseases 3 cr.
This course introduces the more common diseases, clinical signs, diagnostic tests, recommended treatments, and prevention strategies. The companion animal species covered in this course include dog, cat, horse, pig, bird, reptile and ruminant. Prerequisites: C or better in VTSC3401. A grade of C or better is required for graduation from the Veterinary Science program.

Meets the requirement for Veterinary Science elective. Course offered: Fall, Spring.
VTSC4500 Senior Seminar 2 cr.
This senior capstone course is designed to provide a weekly seminar series presented by the students. The seminars are presented in an informal setting to permit free exchange between the students and the presenters. A wide range of topics are discussed to introduce the student to career opportunities and activities in various fields of medicine and research. The student is expected to do journal research and write and present reports based on their findings. Students may be required to participate in the yearly Vet Tech continuing education seminar. A case study with references is also required. Prerequisite or Corequisite: VTSC4900/4901 or 4902. A grade of C or better is required for graduation in the Veterinary Science program.
Course offered: Fall, Spring.

VTSC4900 Externship Module II - 3 cr.
This is the first part of the basic clinical experience requirement for all veterinary science students. Module II consists of 400 hours which must be performed in two or more Clinical, Zoo, Wildlife, Research, on campus or other externship sites approved by the Outreach Program Liaison, with a minimum of 100 hours at each site. The student can begin these hours following completion of all 2000 level Veterinary Science courses and should register for the course in the semester in which they expect to complete the required hours. All 400 hours of Module II must be completed prior to beginning the Module IIIa Externship. Prerequisite: C or better in VTSC 2000, 2001, 2101, 2102, 2201, 2500, 2900, 2902 and 2904. A grade of C or better is required for graduation.
Course offered: Fall, Spring.

VTSC4901 Externship Module IIIa - 3 cr.
Module IIIa of the externship is a structured program that provides students with career-related experiences and education under direct supervision at approved externship sites. Students may choose one of 3 options for a total of 3, 6, or 9 credits. The minimum for Module III is 200 hrs, representing the 3 credits of VTSC4901. The externship may be completed in one semester or spread across multiple semesters. Students should register for the module in the semester in which they expect to complete the required hours. The final Module III Externship hours are meant to be taken concurrently with the capstone course VTSC 4500 Senior Seminar. These hours may be completed at any of the above and previously described Clinical/Zoo/Wildlife/Research or other approved sites. Prerequisite or corequisite: VTSC4900. A grade of C or better is required for graduation.
Course offered: Fall, Spring.

VTSC4902 Externship Module IIIb - 3 cr.
An additional 200 hrs externship, combined with VTSC4901 for a total of 400 module III hours. Prerequisite or Corequisite: VTSC4901. A grade of C or better is required for graduation.
Course offered: Fall, Spring.

VTSC4903 Externship Module IIIc - 3 cr.
An additional 200 hrs externship, combined with VTSC4901 and 4902 for a total of 600 module III hours. Prerequisite or Corequisite: VTSC4902. A grade of C or better is required for graduation.
Course offered: Fall, Spring.
Graduate Course Descriptions

COUN5000 Fundamentals of Therapeutic Interaction 3cr.
This course examines contemporary and alternative counseling theories that provide the student with models to conceptualize client presentation and that help the student select appropriate counseling interventions. Further, students will be exposed to an overview of the basic counseling skills used by the professional counselor working with children, adolescents and adults. Included is a laboratory experience in which the student is trained in an application of counseling relationship-building and working-stage skills via role play activities with other students in the class.

As a result of taking this course, students will be able to:
- Explain the historical, philosophical, societal, cultural, economic and political dimensions of and current trends and issues unique to the mental health counseling profession.
- Identify professional roles, employment settings, functions, and identities of mental health counselors, and relationships with other human service providers in promoting optimal human development and mental health.

COUN5001 Human Growth and Development in Counseling 3 cr.
This course is designed to help students understand the major theories of development, understand how heredity and the environment play a role in development and gain an understanding of how individuals develop from biosocial, cognitive, and psychosocial frameworks through the lifespan. Students will learn the relationship between these theories and gain skills to apply this knowledge in the conception and development of biopsychosocial assessments in the clinical setting.

COUN5002 Consultation Team 3 cr.
This seminar provides students with their first exposure to a clinical experience, in a supervised campus-based setting. Students participate in weekly team supervision meetings with an approved clinical supervisor and peers who are actively seeing clients at the clinic site and in field placements. Students will view peer role plays, live and video-recorded client sessions, and will participate in discussions of supervisory relationships, clinical conceptualizations, treatment issues, practice within a managed care system, collaboration with prescribing providers, psychologists, social workers, case managers, and mental health system management. This course is designed to transition students to their participation in COUN5010.

COUN5003 Professional Orientation and Ethical Practice 3 cr.
This course introduces studies that provide an overview of historical, contemporary, clinical and training issues in the practice of clinical mental health counseling. The course also provides information related to the following aspects of clinical mental health counseling practice: (a) professional roles and responsibilities; (b) professional organizations; (c) state and national credentialing; and (d) counselor advocacy and self-care. Lastly, the student will be provided with an in-depth understanding of the current version of the American Counseling Association (ACA) Code of Ethics and state professional counselor licensing act and regulations.

COUN5004 Social Emotional Learning and Mental Health 3 cr.
This course introduces students to the basic concepts and strategies related to social emotional learning (SEL), its use in school settings and its integration with mental health counseling strategies. Students will acquire an understanding of the core concepts related to social emotional learning, and will explore the development of social emotional learning across the lifespan, on neurotypical and atypical trajectories. Prevention and intervention strategies from a variety of SEL approaches will reviewed,
including Positive Behavioral Interventions and Support (PBIS) and Social Thinking®, as well as other specific, evidence-based SEL programs. Issues related to SEL in local, state and federal policies will also be addressed.

COUN5005 DBT Skills Group, Behavioral Analysis and Exposure Treatments 3 cr.
This course offers learning the skills training component of Dialectical Behavior Therapy (DBT), an empirically supported treatment approach for individuals with emotion regulation problems. Behavioral analysis assessment focuses on determining precipitating events before a behavioral issue and the ensuing consequences. The study of exposure treatments will focus on treatment for those who have a history of trauma.

COUN5006 Diagnosis and Treatment Planning 3 cr.
This course provides an exploration of etiology, classification, differential diagnosis, and prognosis issues surrounding the full spectrum of mental disorders. Included in this course is a comprehensive overview of the utilization of the current version of the Diagnostic and Statistical Manual of Mental Disorders in a culturally diverse society. Also included is an overview of record keeping and treatment planning strategies required of today’s mental health professional. Emphasis is given to developmental considerations in all diagnostic categories.

COUN5010 Counseling Practicum 3 cr.
This course involves intensely supervised practice of professional counseling in a campus-based clinic setting. For this practicum experience, students provide a variety of individual and group direct service activities for clients. Students are required to complete a minimum of 100 hours of counseling related services. At least 40 hours are documented face-to-face client contact or peer role play hours. A minimum of 25 hours of supervision is provided, with at least 10 hours of individual and 5 hours of group supervision.

COUN5011 Principles and Methods of Assessment 3 cr.
This course introduces studies that provide an understanding of individual and group approaches to assessment and evaluation in a culturally diverse society. This course also provides an understanding of assessment in counseling through: (a) an overview of basic counseling assessment concepts, (b) an understanding of test construction, (c) familiarity with instruments and (d) an overview of test interpretation. It also provides a discussion of typical problems and approaches to individual and group testing in the areas of intelligence, aptitude, achievement, interest and personality.

COUN5012 Co-occurring Disorders: Substance Abuse and Mental Illness 3 cr.
This course will address theories of addiction counseling and application of these theories to work with individuals, couples, families, and groups. Students will develop conceptual knowledge, practical skills, and self-awareness concerning the etiology of addiction, assessment strategies, diagnosis and treatment planning. This course will provide an understanding of the mentally ill and chemically abusive or dependent client. Intervention, advocacy, education and support for the client and those that are part of his/her environment are the central focus. Social, environmental, and multicultural factors that contribute resources for these clients will be explored.

COUN5013 Research in Mental Health Counseling 3 cr.
This course provides an understanding of research methods, statistical analysis, and needs assessment strategies in the field of professional counseling. This course is designed to assist the student in becoming a critical consumer of research methods such as qualitative, quantitative, single-case designs, action research, and outcome-based research studies. Students are also introduced to ethical and culturally relevant strategies for interpreting and reporting the results of research studies accurately and effectively. Prerequisites: COUN5000, COUN5003.
COUN5014 Program Planning and Proposal Writing 3 cr.
This course provides students with basic competency in the three phases of the grants process: planning, research and writing. Students will research and explore public and private funding sources appropriate to their discipline and interests. The criteria for selecting potential funding sources, the basic elements of a proposal, and developing successful collaborative efforts will be emphasized. Students will interactively engage in each phase of the process and will demonstrate learning through the development of a funding proposal that is relevant to their area of concentration or research.

COUN5015 Social and Cultural Diversity Issues in Counseling 3 cr.
This course explores social and cultural diversity in counseling, including diverse racial, ethnic, religious, and cultural heritages and sexual identities and socioeconomic statuses. It includes the study of historical and current issues of equality as applied to socially marginalized groups, and personal reflection on the impact of one’s own attitude, beliefs, world-view, and racial and cultural identity on the counseling process. Strategies for employing culturally competent counseling in individual, group and family modalities, including specific behavioral skills and application of various theories of racial and cultural identity development, are discussed along with the role of the counselor as an advocate for the members of marginalized groups.

COUN5016 Group Approaches in Mental Health Counseling 3 cr.
This course includes studies that provide both theoretical and experiential understandings of group purpose, development, dynamics, theories, methods, skills and other group approaches in a culturally diverse society. Issues of group counseling leadership, stages, skills, methods, and ethics issues are also examined.

COUN5017 Career Counseling and Development 3 cr.
This course introduces studies that provide an understanding of career development and related life factors. This course also provides an understanding of career development theories, program planning, educational planning, assessment techniques, and applied career counseling processes, including those applicable to specific populations in a global economy.

COUN5020 Social Thinking Assessment 3 cr.
This course will examine informal and formal observational tools for discovering the underlying and complex social learning issues across the lifespan. A range of standardized and non-standardized approaches and selection methods will be explored. Further, exploration of scientific literature on effective treatments for individuals with typical co-occurring mental health disorders will be reviewed, with emphasis on assessing learning and processing styles of these individuals. Prerequisites: COUN5004 (may be taken concurrently).

COUN5022 Advanced Topics in Social Emotional Learning and School Mental Health 4 cr.
This course provides supervised practical experience, with an emphasis on developing individual and group facilitation skills related to social emotional learning issues. All students participate in consultation teams, facilitate or co-facilitate social thinking sessions/groups in a campus-based clinic or in an approved clinical field site under the supervision of an approved clinical supervisor, and participate in weekly individual, triadic or group supervision. Students will also attend a weekly seminar focused on topics related to working with individuals with social communication challenges. Prerequisites: COUN5004; COUN5010 with a B or better.

COUN5023 Advanced Dialectical Behavioral Treatment Principles 4 cr.
This course offers in depth learning of the core principles of DBT needed to conduct individual treatment. The model developed by Marsha Linehan, Ph.D. includes the underlying theoretical principles of dialectics, setting the agenda in session, determining secondary targets, and the use of
strategies to prompt commitment to treatment, cognitive modification and change. Additionally, determining level of risk and coaching in crisis will be learned to help individuals in crisis. Alec Miller’s modifications for adolescents will be included. Lecture, discussion, role plays, and video recording are used to facilitate learning the DBT model. Prerequisites: COUN5005; COUN5010 with a B or better; COUN5016 (may be taken concurrently).

COUN5030 Counseling Internship I 3 cr.
This course requires the completion of an internship experience in clinical mental health counseling, comprised of 300 clock hours of counseling related experience, 120 of which must involve direct client contact. This course is intended to reflect the comprehensive work experience of a clinical mental health counselor at a field placement site. The student must be supervised on an individual and weekly basis by an approved site supervisor and must also participate in weekly consultation team under the tutelage of a qualified college supervisor at the college clinic site. Prerequisites: COUN5003; COUN5010 with a B or better. (ENROLLMENT IN PSYC5040 IS CONTINGENT ON EVALUATION OF PERFORMANCE IN COUN5030).

COUN5031 Psychopharmacology for Mental Health Professionals 3 cr.
This course will provide an overview of psychopharmacological medications, their basic classification, indications, contraindications, and side effects will be provided. The goal of this course is to introduce the students to basic terminology and models of pharmacokinetics as they relate to clinical mental health counseling and pharmacological treatment.

COUN5032 Consultation and Program Evaluation 3 cr.
This course provides an introduction to studies related to the provision of counselor consultation services and program evaluation procedures. The course places special emphasis on effective communication with school personnel, and government agencies and on the application of current theories and practices related to the critical role of today’s professional consulting counselor. Students in this program will be involved in experiential learning activities in the community.

COUN5040 Counseling Internship II 3 cr.
This course requires the completion of an internship experience in clinical mental health counseling, comprised of 300 clock hours of counseling related experience, 120 of which must involve direct client contact. This course is intended to reflect the comprehensive work experience of a clinical mental health counselor at a field placement site. The student must be supervised on an individual and weekly basis by an approved site supervisor and must also participate in weekly consultation team under the tutelage of a qualified college supervisor at the college clinic site. Prerequisites: COUN5003; COUN5010 and COUN5030 with a B or better.

Students must complete COUN5030 with a grade of B or better. Students must also earn a B or better on the college supervisor summative clinical evaluation and receive satisfactory performance evaluations in all relevant competency areas noted on the site supervisor summative clinical evaluation.

COUN5050 Thesis in Mental Health Counseling 1 cr.
The Master’s Thesis represents the culmination of a student’s work at Becker College. The Master’s Thesis will typically include formal hypothesis testing of theoretical concepts, and generally will be oriented toward eventual publication of the work in a peer-reviewed, professional journal. Students will be expected to develop a thorough review of relevant literature and methodology, and prepare a final manuscript that adheres to the Department’s Thesis Guidelines. There is no formal seminar connected with this course; however, students are expected to meet regularly with their thesis advisor. At the
culmination of this course, students will defend their thesis to their Committee, and hold an open colloquium on the topic of their research. Prerequisites: COUN5013 and registration of the thesis with the Department.

**COUN5051 Counseling Master’s Project 1 cr.**
The Counseling Master’s Project represents the culmination of a student’s work at Becker College. It is a thorough study of a specific counseling topic that results in a written synthesis of the literature, assessing both the problem and at least one way to best address the issue from a counselor’s perspective, and generally will be oriented toward eventual publication of the work in a peer-reviewed professional journal. Students will be expected to prepare a final manuscript that adheres to the Department’s Counseling Master’s Project Guidelines. There is no formal seminar connected with this course; however, students are expected to meet regularly with their project advisor. At the culmination of this course, students will defend their Counseling Master’s Project to their Committee, and hold an open colloquium on the topic of their project. Prerequisites: COUN5013 and registration of the project with the Department.
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