Becker College admits qualified students of any age, race, sex, color, handicap, religion, sexual orientation, national and ethnic origin to all rights, privileges, programs and activities generally accorded or made available to students at the College. It does not discriminate on the basis of age, race, handicap, sex, color, religion, sexual orientation, national and ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, employment practices, athletics and other College administered programs.

The College reserves the right to make changes to any policies, procedures, courses, programs and fees indicated in the catalog without notice.
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A Message from the President

Greetings from Becker College! After more than three years, I continue to be extremely proud to be president of this remarkable College. Our highly dedicated faculty and staff as well as the wide range of academic and social programs offered are but two of the reasons for this pride. When you add to this the outstanding location we enjoy in the heart of Massachusetts, clearly you would have a hard time choosing a better college to continue your education.

This catalog highlights the many unique offerings and opportunities found at Becker College. We have a long history of success in both challenging and supporting students from diverse backgrounds to achieve well beyond their expectations.

At Becker you will find people who are caring and willing to commit their energies and the college’s resources to make this not only a “home-away-from-home”, but a place where you can realize your dreams. You will also find a number of unique academic programs ranging from Veterinary Science, Design, Computer Game Programming, and Equine Studies in addition to accelerated degree programs in Business and Education. The common thread that you will find across all of our programs is a first rate curriculum with an emphasis on career-focused education taught by exceptional faculty; a combination that enables our graduates to be successful and make a difference in this world. We believe that this outcome-based philosophy and commitment to excellence distinguishes Becker among other institutions of higher education, and makes it one of the best small colleges in America.

All in all, this is an excellent time to get to know more about Becker College. I invite you to join our family of outstanding students, faculty, staff and alumni. We stand ready and eager to welcome you and to do everything possible to make your Becker College experience a great one.

Enthusiastically,

Ken Zirkle
President
# Academic Calendar 2007-2008

## Summer Semester 2007
- **Saturday, June 9**: Summer Orientation
- **Saturday, July 14**: Summer Orientation
- **Saturday, July 28**: Summer Orientation
- **Saturday, August 11**: Summer Orientation

## Fall Semester 2007
- **Thursday & Friday, August 30 & 31**: Faculty Workshops
- **Tuesday, September 4**: Resident Freshman Arrive
  - Freshman Housing Orientation
  - Freshman Resident and Commuter Orientation, Assessment & Workshops
- **Wednesday, September 5**: Resident Upper Classmen Arrive
  - Registration: All Commuters and Residents
- **Thursday, September 6**: Classes Begin
- **Friday, September 14**: Last Day to Add or Drop a Class
- **Sunday, September 23 - Wednesday, September 26**: NEASC Institutional Accreditation Site Visit
- **Monday, October 8**: Columbus Day Holiday – No Classes
- **Friday, October 26**: Mid-Term Grades Due
- **Friday, November 2**: Last Day to Withdraw from a Course without a Grade
- **Monday, November 5 - Friday, November 16**: Pre-Enrollment for Spring 2008
- **Wednesday, November 21 - Sunday, November 25**: Thanksgiving Holiday - No Classes
- **Wednesday, December 12**: Classes End
- **Thursday - Tuesday, December 13, 14, 17 & 18**: Final Examinations
- **Wednesday, December 19**: Final Examination Make-Up Day
- **Thursday, December 20**: Final Grades Due

## Spring Semester 2008
- **Tuesday & Wednesday, January 15 & 16**: Faculty Workshops
- **Wednesday, January 16**: Resident Freshman Arrive, Orientation and Assessment for January Entrance
- **Thursday, January 17**: Classes Begin
- **Friday, January 25**: Last Day to Add or Drop a Class
- **Monday, February 18**: Presidents’ Day Holiday - No Classes
- **Friday, March 7**: Mid-Term Grades Due
- **Monday, March 10 - Sunday, March 16**: Spring Break - No Classes
- **Friday, March 21**: Good Friday Holiday - No Classes
- **Friday, March 28**: Last Day to Withdraw from a Class without a Grade
- **Monday, March 31 - Friday, April 11**: Pre-Enrollment for Fall 2008
- **Wednesday, April 30**: Classes End
- **Thursday - Tuesday, May 1, 2, 5 & 6**: Final Examinations
- **Wednesday, May 7**: Final Examination Make-Up Day
- **Saturday, May 10**: Commencement - 11:00a.m.
- **Tuesday, May 12 & Monday, May 13**: Faculty Workshops

## Summer Semester 2008
- **Monday, May 19 - Friday, August 8**: 12 Week Session
- **Friday, May 23**: Last Day to Add or Drop a Class
- **Friday, July 11**: Last Day to Withdraw from a Class without a Grade
Introduction

Located in the heart of Massachusetts, Becker is a distinctive New England college. Becker College encompasses two campuses located six miles apart, each with its own residence halls, library and academic facilities.

The Worcester campus was founded in 1887 by E.C.A. Becker. The Leicester campus began as an academy in 1784 – the third oldest campus in the country. Both schools have sustained a long-standing tradition of quality education. In 1977, Becker and Leicester consolidated to expand academic offerings and provide broader social and recreational opportunities for their students.

Today, with a full-time enrollment of nearly 1,500 men and women from 18 states and 12 countries, Becker College continues the tradition of excellence. Students receive the individual attention and recognition they deserve and a strong community spirit.
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. 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
209 Burlington Road
Bedford, MA 01730-1433
(718) 271-0022
Fax (781) 271-0950
www.neasc.org

Accreditations

- New England Association of Schools and Colleges
- American Veterinary Medical Association Committee on Veterinary Technician Education and Activities
- Massachusetts Board of Registration in Nursing
- National Association for the Education of Young Children (Leicester Campus Preschool)
- National League for Nursing Accrediting Commission
Memberships

- Academic and Research Collaborative (ARC)
- Academy of Criminal Justice Sciences
- American Association of Collegiate Registrars and Admissions Officers
- American Council on Education (ACE)
- American Library Association (ALA)
- Association for Continuing Higher Education (ACHE)
- Association of College & Research Libraries (ACRL)
- Association of Independent Colleges and Universities in Massachusetts
- Association of Physical Plant Administrators (APPA)
- Association for Supervision and Curriculum Development (ASCD)
- Association of Veterinary Technician Educators
- Central Massachusetts Regional Library System (CMRLS)
- Colleges of Worcester Consortium, Inc.
- Council for the Advancement and Support of Education
- Innovative Users Group (IUG)
- Massachusetts Library Association (MLA)
- Massachusetts/Rhode Island League for Nursing
- 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 Foreign Student Advisors
- National Association of Independent Colleges and Universities (NAICU)
- National Association of Student Financial Aid Administrators
- National Association of Student Personnel Administrators
- National Association of Veterinary Technicians in America
- National League for Nursing
- National Collegiate Athletic Association (NCAA)
- NELINET, Inc.
- New England Association of College Admissions Counselors
- New England Association of Collegiate Registrars and Admissions Officers
- New England Association for Cooperative Education and Field Experience
- New England Association of Veterinary Technician Educators
- New England Faculty Development Consortium
- New England Transfer Association
- Northeast Research Libraries Consortium
- Society for College and University Planning (SCUP)
- The College Board
Mission

Becker College will offer a diverse student population access to a first-class, student-centered, private college education, paying particular attention to the needs of first generation college students, and providing accessible, career-focused academic programs in a supportive learning environment. This will be accomplished by developing innovative, cutting-edge curricula and unique delivery systems that respond to the needs of our students, community and region. We will prepare our students to be tomorrow’s leaders and responsible citizens in a global economy.

It is the purpose of Becker College:

• To provide all students with academic education and to provide practical experience in specific careers.
• To provide students with both general education and career courses which facilitate advancement.
• To provide knowledge and skills specific to a career area which assure proficiency, yet which allow flexibility as careers and technologies change.
• To foster in students, information literacy and the ability to use information from a variety of sources effectively and ethically.
• To provide developmental support in the basic skills to assist students in achieving success in their career studies.
• To make available extracurricular activities and programs that encourage interpersonal relations, personal development, good citizenship and an appreciation of diversity.
• To provide an environment where students can maximize their potential for personal and intellectual growth by equipping students with methods of critical inquiry and critical reasoning abilities.
• To develop students’ communications skills through improved writing, speaking, listening and observation.
• To develop students’ analytical skills and ability to make judgments thoughtfully.
• To develop students’ creative potential, intellectual curiosity and love of learning.
• To enable students to integrate knowledge from different disciplines.
• To encourage students to engage in critical self-examination.
• To encourage students to appreciate their own cultural heritage.
• To cultivate social responsibility and a commitment to practice ethical decision making.
• To cultivate in students a pluralistic outlook.
• To offer students opportunities for research and service.
• To create awareness that learning is lifelong.
Educational Philosophy

Becker is a small, coeducational college offering programs designed for students seeking four- and two-year degrees.

Becker is dedicated to the belief that it exists primarily for the student. The College looks upon its students as individuals to be encouraged to seek out and develop interests and careers of their choice. Therefore, the College concerns itself with the whole person, emphasizing not only classroom education but also practical experience through liaison with the business and professional community.

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

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, in the heart of the Commonwealth of Massachusetts, Worcester combines the warmth of a small town with the convenience of a thriving city. Just an hour’s distance from Boston, Springfield, MA, Providence, RI and Hartford, CT, 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 13 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 and 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, Mass. 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, 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. 172,648) is New England’s second largest urban center. Just forty miles west of Boston, air, rail and bus transportation connect the city 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.

Leicester Campus

The Leicester campus surrounds the historic village green at the junction of routes 9 and 56 in Leicester center. The Worcester Regional Transit Authority provides regular bus service from the city to the campus. Our Leicester students find this location to be outstanding. They 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 pre-dates 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 and Lane Halls, the administration building, and Winslow Hall were built before the War of 1812. Some of the newer buildings include a gymnasium, three new residence halls and an award-winning academic center. An animal health center was dedicated in 1982 and expanded in 1988. A new student center opened in 1992.
Admissions

Becker College is a four-year, private coeducational college with an enrollment of approximately 1,500 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 www.beckercollege.edu 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

Applications are reviewed and admissions decisions are made on a rolling basis. Applicants are encouraged to check on their application once submitted to ensure that all items have been received. Please send all items to:
Becker College
Office of Admissions
61 Sever St.
Worcester, MA 01609

508-373-9400 or toll-free at 1-877-523-2537
Fax: 1-508-890-1500
E-mail: admissions@becker.edu

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. Complete applications will include:

- A completed application for admission and a $30 non-refundable application fee. Checks or money orders should be made payable to “Becker College.”
- An official copy of the secondary school transcript including at least, first quarter Senior year grades, 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.
- One 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.

**Freshman Applicants: Health and Sciences Applicants**

Applicants seeking admission to Nursing or Veterinary Science and Technology must:

- Earn a cumulative G.P.A. of 2.5 or better.
- Complete 2 years of college preparatory secondary level school science including Biology with a lab and Chemistry with a lab. Both courses must be completed within 7 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 7 years with grades of C+ or better will also satisfy the pre-requisite 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 7 years with a minimum grade of C+. A three-credit college course in College Algebra within 7 years with a grade of C+ or better will also satisfy the pre-requisite 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, prior to clinical courses. (students must test out of Foundation courses to be considered for a Nursing Major)
Students who do not meet the above criteria but satisfy the general admissions requirements of the college may be accepted as an "Undecided Student".

Admission to the nursing program is competitive, and the requirements listed above are minimums. All students applying for admission to the nursing program (including internal and external transfers) are required to take the TEAS. This test is administered at Becker on a routine basis and costs $35. Information about the test content can be found at http://www.AT1Testing.com and a study guide is available in the bookstores; TEAS Assessment Study Guide. Students who have taken the TEAS Assessment at another institution may contact that institution to have their score sent to Becker. Prospective students can call the nursing department at 508-791-9241 ext 9755 for information on testing dates.

Applicants for Bachelor of Science in Nursing (RN-to-BSN)

Students seeking admission to the BSN program must have:

- completed an accredited ASN program within the last seven (7) years,
  - Completion of prerequisites courses of C+ or better in Math or Algebra I, biology, and chemistry
  - A minimum 2.0 from the basic NLNAC accredited nursing program courses.

- or an accredited diploma graduate within the last twelve (12) years with evidence of full-time work in nursing for the last three years,
  - A Registered Nurse mobility exam prior to portfolio evaluation is required. The applicant’s portfolio, credits for transfer, and College Level Examination Program (CLEP) exam results will be reviewed by the Program Director and advised as how to fulfill admissions criteria as required for the BSN.

- successful completion of the National Council Licensing Examination (NCLEX),
  - Applicants who are completing an ASN program and planning to take the NCLEX during the spring/early summer may apply as well. If admissible, the college may conditionally admit students contingent upon passing the NCLEX. An applicant who is conditionally accepted and does NOT pass the NCLEX will have his/her conditional acceptance rescinded.

After Acceptance

- Cardiopulmonary Resuscitation Provider Certification Level C (American Heart Association).
- Criminal Record Investigation (CORI)
- Required Medical documentation

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. SAT’s 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 acceptance 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.
- A non-refundable application fee of $30 (U.S. dollars) payable by check or money order to “Becker College.”
- 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 $33,850 (for 10 months) in US dollars. At this time Becker College does not offer scholarships for international students. Therefore, all educational expenses are the responsibility of the student.
- 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. Applicants seeking admission from abroad are encouraged to apply to the college no later than November of the year preceding Fall entry. 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.

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

- Copies of 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:

1. No more than 90 credits will be accepted for transfer towards a baccalaureate degree and no more than 45 credits towards an associate's degree will be accepted for transfer.
2. No more than 50% of the total credits required for the major will be accepted in transfer from a two year accredited college.
3. No more than 50% of the 3000/4000 level courses in the major field of study will be accepted for transfer.
4. Grades of C or better from accredited institutions are transferable to Becker College, subject to the time restrictions below.

**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.

Transfer scholarships are available through the Financial Aid office.
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. Extracurricular factors such as work experience, diversity, and residency are also considered as part of the admissions process. 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.
Transfer Admission for Nursing

- **Transfer admission from other nursing programs:** In addition to the general requirements for the Health and Science programs, candidates applying for transfer into the RN program from another nursing school must complete NURS1103 (Health Assessment) or equivalent with C grade or better, and submit a letter of recommendation from the Director of the Program where the course was completed. Transfer credit for Fundamentals of Nursing (NURS1104) may be awarded based on review of course materials by the Director of the Nursing Program.

- **Advanced standing for LPN to Associates Degree in Nursing (RN) program:** Students applying to the Nursing program who are currently LPN's may receive advanced standing based on a satisfactory score of 45 or better on the Excelsior College Fundamentals of Nursing exam and successful completion of NURS1103, Health Assessment course at Becker College. For information about the Excelsior College exam, contact 1-888-723-9267 or visit their website: www.excelsior.edu. Nursing Students are required to complete a minimum of 39 credits at Becker College.

**Transfer Admission: Early Childhood Education and Elementary Education**

Students who have successfully completed an Early Childhood Education or Elementary Education Associate’s Degree program or equivalent undergraduate academic credit at an accredited institution must have a cumulative G.P.A. of 3.0 or higher and a passing score on the Communications and Literacy Section of the Massachusetts Test for Educator Licensure (MTEL) to enter the Bachelor's Degree programs in either Early Childhood Education or Elementary Education. Those students who transfer prior to completing an Associate’s Degree must have a cumulative G.P.A. of 2.0. A minimum Becker College GPA of 3.0 is required upon entering Junior Year.

**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 30 credit hours through College Level Examination Program (CLEP) examinations. CLEP scores must be above the 50th percentile 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.

**CORI (Criminal Offense Records Information) Policy & SORI (Sexual Offender Records Information) Policy**

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/Eeohhs2/docs/dph/quality/boards/good_moral_info.pdf](http://www.mass.gov/Eeohhs2/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. A written request is required and should be submitted to the Admissions Office no later than 30 days prior to the semester start date. Deposits submitted will also be deferred.

**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. Please see the admissions office for more details.

Students from other area high schools who would like to take a course may do so upon approval of the director of recruitment and admissions under non-matriculating student status. Financial Aid is unavailable for high school students.

**Home-School Students**

Becker encourages applications from home-schooled students, and makes every effort to accommodate the special circumstances of home-schoolers while in the application process.
Students completing their high school education through a home-school diploma granting organization should submit evidence of courses completed and performance/grades. If such evidence is unavailable, portfolios that may contain grades earned from post-secondary courses taken, AP scores, recommendations from tutors, samples of research, papers written, etc., will be beneficial to the admissions team in evaluating student files. GED results, if applicable, may also be submitted.

Home-school applicants must follow the admission criteria for freshman (or transfer) and submit the other necessary documentation.

**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 submit the required application materials. Non-matriculating students may take up to 3 courses before they must enroll in a degree program. All materials submitted in the application for Non-Matriculating student status will become part of the application folder when applying to a degree program.

**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.

**Placement Testing**

Students will be placed in their first semester classes based on the results of placement testing in the areas of Mathematics and English. Freshman schedules may be restricted in terms of courses and credit load based on those testing results.
Office of Student Financial Services

Tuition, Fees, Room and Board Charges

Becker College is committed to helping students and their families afford a quality education. Financial aid is available for all eligible students through federal, state and Becker College programs. Aid comes in the form of grants, scholarships, student loans and work-study.

The College assumes that parents have the first obligation to provide for the education of their son or daughter. The second obligation falls upon the student to contribute to his/her education. A student’s financial need is determined by subtracting the parents’ and student’s contributions from the total cost of attendance.

The Student Administrative Services staff is glad to discuss assistance options with students and their families. They will work with parents and students to help make a Becker College education possible.

The Student Administrative Services will be open for questions and counseling during the academic year:
- Monday – Thursday: 8:00 a.m. - 6:00 p.m.
- Fridays: 8:00 a.m. - 5:00 p.m.

Our summer hours are:
- Monday – Fridays: 8:00 a.m. - 4:00 p.m.

Tuition, Fees, Room and Board Charges

Tuition, fees, room and board charges are posted to students’ accounts as they are assessed. Payments are applied to accounts when received by the Office of Student Accounts. 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 1-877-523-2537.

Becker makes contracts with its employees in advance of the upcoming academic year; a practice common throughout colleges and universities. 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.

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 term 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

A non-refundable fee of $30 is required with the completed application for admission from all new students, transfer students and non-degree-seeking students.

Commitment 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 the end of add/drop period. *This may be refundable prior to May 1st with proper notice to the Office of Admissions.

UNDERGRADUATE CHARGES PER SEMESTER FOR THE 2007-2008 ACADEMIC YEAR FOR RESIDENT STUDENTS (Standard Residence Halls)

Fall 2007 Semester balance due August 20, 2007

$18,223 (not including new student orientation or program fees)

(Charges include Fall 2007 tuition $11,800, standard dorm charge $2,250, meal plan $2,400, student health insurance for 2007-2008 academic year $1,773 and assumes the commitment deposit and application fee have been paid.)

Spring 2008 Semester balance due January 4, 2008

$16,450

(Charges include Spring 2008 tuition $11,800, standard dorm charge $2,250 and meal plan $2,400).

UNDERGRADUATE CHARGES PER SEMESTER FOR THE 2007-2008 ACADEMIC YEAR FOR RESIDENT STUDENTS (Willow Hall Apartments)

Fall 2007 Semester balance due August 20, 2007

$16,773 (not including new student or program fees)

(Charges include Fall 2007 tuition $11,800, Willow Hall Apartment charge $3,200, and student health insurance for the 2007-2008 academic year $1,773.)

Spring 2007 Semester balance due January 4, 2008

$15,000

(Charges include Spring 2008 tuition $11,800, Willow Hall Apartment $3,200.)
UNDERGRADUATE CHARGES PER SEMESTER FOR THE 2007-2008 ACADEMIC YEAR FOR COMMUTING STUDENTS

Fall 2007 Semester balance due August 20, 2007

$13,573 (not including new student or program fees)

(Charges include Fall 2007 tuition $11,800, and student health insurance for the 2007-2008 academic year $1,773 and assumes the commitment deposit and application fee have been paid.)

Spring 2007 Semester balance due January 4, 2008

$11,800

(Charges include Spring 2008 tuition $11,800.)

Annual Tuition, Board, and Fees for 2007 - 2008

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<table>
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<tbody>
<tr>
<td>Full-time</td>
<td>$23,600</td>
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<tr>
<td>Room and Board</td>
<td>$9,300</td>
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<td>(standard dorm)</td>
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<td>(Includes three meals each weekday with an additional continental breakfast, brunch and dinner on weekends)</td>
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*Requests for a specific residence hall, roommate, or type of room are determined on a first-come, first-served basis using the date the College receives a student's housing deposit.

| Mandatory Health Insurance Fee | $1,773 |
| Part-Time Tuition (per credit) | $990   |
| Single Room Charge            | $600   |

Additional Fees May Apply to specific 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 three weeks, 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.

Health and Accident Insurance

All registered students carrying 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.Kosterweb.com and completing the required information. The cost for the health insurance is $1,773 for the 2007 – 2008 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).

Other Fees

Malpractice insurance fee (per semester) .............................................. $35.00
Automobile Registration ........................................................................ $25.00
Graduation Fee (paid upon filing the Intent to Graduate Form)...... $100.00
Student Orientation Fee (one time charge)........................................ $125.00
Foreign Student Orientation Fee ....................................................... $175.00
Supplies (Littman Stethoscope, nametag) ........................................... $100.00

Nursing Program

Malpractice Insurance (per semester).................................................. $35.00
Nursing Program Fee (per semester).................................................... $150.00
Uniforms....................................................................................... $125.00
Travel Expenses ............................................................................... Varies
NCLEX-RN review course (final semester)................................. 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.

**Equestrian Program**

Equestrian Facilities Fee .................................................................$1,300.00

**Payment Policy**

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

Payment can be made in person, by phone, fax or mail. Payments made by cash, check, money order or credit card are accepted at the Student Administrative Services office. In addition, payments can be mailed to Becker College, P.O. Box 15071, Worcester, MA 01615. For proper allocation of funds it is required that payments are accompanied by the invoice payment stub and the student’s name, student id or social security number be written on the check.

Credit card payments are accepted by phone or fax. Call (508) 373-9437 or fax your credit card payment to (508) 890-1511.

**Collections**

Students will be charged for tuition and fees 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.

**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 is due upon notification of acceptance or before November 15, 2005. In case of admission after November 15, the deposit becomes due upon notification of acceptance. Written requests for a refund of the reservation deposit are honored up to the date of spring registration.

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 may range from $550 to $650.

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 responsible for losses or theft.

Automobile Policy

All students are permitted to have motor vehicles on campus, provided they are registered with Campus Police. There is a $25.00 automobile registration fee. 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 they attend.

Fee Refunds

Refunds on tuition and fees for a complete* withdrawal for all non-Title IV recipients will be made according to the following schedule. (*Students leaving the college*)

- 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.

An administrative fee not exceeding the lesser of five percent of the tuition, fees, room and board, and other charges, or one hundred dollars will be deducted from the amount of any refund.

Any refund that includes Title IV aid will be restored to the programs in the following order:

Federal Unsubsidized Stafford Loan, Federal Subsidized Stafford 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

Last year, approximately 85 percent of our student body received some form of financial help. Students who feel they will need financial assistance are encouraged to apply for financial aid at any time, however, preference will be given to those who follow the application process described below and complete the steps by March 1 for the upcoming academic year. Students enrolling in January and applying for spring semester financial aid should complete the application process before December 1. Students who have demonstrated need are awarded financial aid on a first-come, funds-available basis.

Students applying for financial aid should pay close attention to deadlines and follow instructions carefully.

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). FAFSA may be obtained from a high school guidance office or from Becker’s Financial Aid Office. The FAFSA should be completed by February 15 so that the Financial Aid Office will receive the processed form by April 1.

Becker College’s Required Title IV Code - 002123

Financial aid is not automatically renewed. 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. Please contact the Financial Aid Office with any questions or concerns.

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 www.becker.edu for links to scholarship search agencies and organizations.
Types of Aid

Scholarships and Grants - Not to be Repaid

Fairlawn Foundation
*For nursing students - obtain forms from Vice President Gerald Tuori

Animal Health Club Scholarship

Two $500 scholarships awarded by the Financial Aid Office with funds provided by the Becker College Animal Health Club. Recipients must exhibit need and must be in the Veterinary Technology, Veterinary Science or Animal Care Program.

Air Force ROTC
In cooperation with Worcester Polytechnic Institute (WPI), the Air Force Reserve Officer Training Corps (ROTC) Program is offered to qualified Becker College students. As a member of the Colleges of the Worcester Consortium, Becker College students are eligible to apply for Air Force ROTC at WPI. For more information, see http://www.becker.edu/pages/631.asp

Army 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.

Ayling Scholarship

This scholarship is awarded by the College through funds provided by the Alice S. Ayling Fund. Recipients must demonstrate high financial need and a strong academic record.

BASF Scholarship

An endowed scholarship funded by BASF for students enrolled in the Veterinary Science bachelor’s degree program, this award is offered annually and is based on academic achievement and financial need. Candidates must be graduates of the Becker College Associate in Science in Veterinary Technology program and have a GPA of 3.0 or higher.

Becker Academic Achievement Award

For consideration, students must have attained the highest academic averages, exhibit superior qualities of maturity and leadership and possess the potential for great success in their chosen fields. Currently enrolled students apply during the spring semester of their freshman year. Candidates must have a 3.5 G.P.A. in order to qualify for consideration. Recipients must maintain a 3.2 G.P.A. as a full-time sophomore in order to keep the award. The award consists of a $500 tuition reduction after the recipient's freshman year.
Becker Family Grant

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

Becker College Grant

These grants are awarded by the College on the basis of academic potential and/or leadership ability and usually range between $1,000 - $6,000.

D. Llewellyn Evans Scholarship

Sponsored by the Becker College Alumni Association and named for a former long-time Becker faculty member, this award is given on the basis of need and academic achievement. Currently enrolled students apply during the spring semester. Awards usually range from $1,000 to $4,000 and are intended for use during the student’s next year at Becker.

Ebenezer Crafts Scholarships

These awards are made to residents of the town of Leicester who have graduated from Leicester High School. Applicants must submit a letter of recommendation to the Becker College Financial Aid Office from a teacher or counselor at Leicester High School.

Federal Pell Grants

Awards through this federal program are based on financial need, cost of education, and student status. The maximum Federal Pell Grant award is currently $4,300 per academic year.

Federal Supplemental Educational Opportunity Grant

Available to students who have financial need and who would be unable to continue their education without the FSEOG award. These usually range from $1,000 - $4,000.

The George I. Alden Scholarships

Named for George Alden, a leading Worcester philanthropist, the scholarships are awarded by the College to students enrolled in baccalaureate degree programs. Awards vary in size and are conferred based on academic achievement and financial need.

The George F. And Sybil H. Fuller Scholarships

Funded annually by the Fuller Foundation, these scholarships are awarded by the College to students of exceptional merit.

Gilbert Matching Scholarship Grants

A program of the Massachusetts Board of Regents of Higher Education, these awards are given to needy Massachusetts students.
Janice Wiles Memorial Scholarship

A scholarship awarded to a nursing student who demonstrates outstanding courage, compassion and dedication. Student applicants must submit an essay and two letters of recommendation during the spring semester. Awards are typically for $500.

Merit Scholarship

Awarded to a limited number of incoming students who have a GPA of 3.5 or higher and SAT scores of 1050 combined. Students must be enrolled in a bachelor degree program. The scholarship up to $5000 annually and is renewable as long as the student maintains a 3.0 GPA and has good conduct.

Mother Prosser Opportunity Fund

The Fund is designed to help Becker College students who have demonstrated the talent and ability to succeed academically, but who are not achieving their full potential.

The Robert and Marie Cousy Scholarship

Boston Celtic Hall of Famer Bob Cousy and his wife Marie Cousy initiated this endowed scholarship to encourage underprivileged students to attend Becker College. The college awards these scholarships to residents of Worcester Housing Authority (WHA) properties who are full-time students in the day division. Applicants must submit an application, proof of residency and two letters of recommendation. The amount of the award varies to provide for full financial need. Cousy scholars are also eligible for summer employment/internships at the WHA.

Transfer Scholarship

A scholarship awarded to a limited number of incoming transfer students who have a GPA of 2.7 or higher. Scholarships range from $1000 to $2000 and are renewable. Transfer students must have completed at least one year in an academic program at another college or university.

Travelli Scholarship

This scholarship is awarded by the College through funds provided by the Charles Irwin Travelli Fund. Recipients must demonstrate high financial need and a strong academic record.

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. Monies from this program may be used for personal expenses or applied to the subsequent semester’s College account.
Loans to be Repaid

Federal Stafford Loans

The Federal Stafford Loan Program is a federally insured loan program designed to help a student pay expenses at institutions of post-secondary education. All Federal Stafford Loan applicants must demonstrate NEED in order to qualify for a subsidized loan. (A student with no need will be eligible for an unsubsidized Federal Stafford Loan. See below.) A Free Application for Federal Student Aid (FAFSA) must be completed before a Federal Stafford Loan can be processed (subsidized and unsubsidized).

Unsubsidized Federal Stafford Loans

The Higher Education Amendments of 1992 created a program of unsubsidized Federal Stafford Loans for students who do not qualify, in whole or in part, for subsidized Federal Stafford Loans. The terms of your unsubsidized loan are the same as the terms for subsidized Federal Stafford Loans, except as described as follows:

**Interest Payments:** The federal government does not pay interest on your behalf. You must pay for all of the interest that accrues on your unsubsidized loan during the time you are enrolled in school, during the grace period, and during any periods of deferment or repayment. There are two ways for you to pay interest while you are in school, your grace period, or a period of authorized deferment: (i) you may make monthly or quarterly payments to your lender or (ii) you and your lender may agree to add interest to the principal of your loan, but no more frequently than quarterly. (This is called capitalization.) If you do not make an interest payment as scheduled while you are in school, in grace period, or during a period of authorized deferment, your lender may automatically capitalize the interest every three months. During other periods, you must pay this interest to your lender, unless your lender agrees to grant you forbearance, as explained in your promissory note.

**Federal Origination Fee/Insurance Premium:**

You may be charged a three-percent federal origination fee/insurance premium on each disbursement of your Stafford loan. This fee will be deducted from each disbursement and paid to the federal government.

Dependent undergraduates can receive up to $3,500 for their first year of study, $4,500 for their second year and $5,500 for their third and fourth years.

Independent undergraduates can receive up to an additional $4,000 for their first and second year and $5,000 for their third and fourth 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. Parent loans differ from student loans in that repayment of the loan must begin within 30-45 days of the date the loan is disbursed. The interest is variable, adjusted annually, not to exceed nine percent. Loans may be repaid over a period as long as 10 years provided the minimum monthly payment of $50 is maintained.
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 Progress for Financial Aid Recipients

In order to continue to receive financial aid, students must maintain satisfactory academic progress. All students (full and part-time) who do not meet the following cumulative G.P.A. of 2.0 will be ineligible for financial aid.

In addition, students must have received a passing grade in at least 67 percent of the total credits attempted. In order to comply with federal regulations, the maximum time allowed for a student to complete his/her degree and still be eligible to receive financial aid funds is 150 percent of the published time to complete the degree. Academic progress will be determined at the end of the Spring term.

Students who are determined not to be making satisfactory academic progress are allowed a probation status in order to obtain the necessary requirements for maintaining progress. If students are still not making progress after the probation, aid is discontinued. Appeals to this policy for special circumstances may be made in writing to the director of financial aid. All appeals must be received within 10 days of receipt of the Financial Aid Suspension Letter. Appeals will be heard by the Student Affairs Committee.
Student Affairs

As a college whose priority is being responsive to the student’s needs, we strive to focus on the whole student. Student Service’s goal 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, on campus and off, for student participation and enjoyment. A campus activities calendar is featured on the college website listing all upcoming events.

The First Year Experience

Making the transition from high school to college can be challenging.

All entering freshmen are required to enroll in ACAD1001 First Year Experience (this course is not eligible for DROP unless one has 12 plus credits eligible for transfer). The goal of this course is to support your transition to college and to develop skills that will see you through many other courses in your college career. Through collaboration with your peers, faculty, staff and librarians, you will develop a better understanding of the expectations of the College.

In addition, the First Year Experience helps students to make this transition a positive experience by providing support and assistance to first year students. This office is committed to the continuing development of a supportive campus environment, which helps first year students to build the strong foundation necessary for academic success and facilitates the development of life skills necessary to cope with the demands of college life. The First Year Experience will help students to understand and utilize the wide range of personal and academic support services available at Becker College.

1. Academic Success
   College will present new and different academic challenges. The Centers for Academic Success are available to all students to assist you in a variety of ways.

2. Personal Development
   You are making a major life adjustment by coming to college. The college hopes to give you the critical-thinking and decision-making tools essential to deal effectively with the many personal challenges you will face involving personal freedom and responsibility.

3. Campus Involvement
   We want to help you find your niche here at Becker. We will introduce you to many clubs, organizations, community service and leadership programs,
cultural events, campus activities and much more. Research has determined that students who get involved perform better academically.

4. Campus Resources

"I don’t know where to find my advisor. I have the flu, but don’t have a doctor here. I need help with my math or English. I need help with my financial aid. What can I do? Where do I go?" These are just a few of the questions you may be asking. The first year experience can direct you to the resources that can help you solve these problems! If we cannot answer your questions directly, we’ll put you in touch with experts who can.

5. Your Future

Whether you’ve already chosen a career path or are uncertain where you’re headed, you will be exposed to a wide range of majors and careers to help you discover and define your interest and abilities.

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 an unusually diverse athletic program that enjoys a widespread reputation for successful intercollegiate competition.

The Hawks compete in the National Collegiate Athletic Association (NCAA), the Eastern College Athletic Conference (ECAC), the North Atlantic Conference, and the Intercollegiate Horse Show Association (IHSN). We take pride in providing the opportunities for men and women to improve their abilities and experience the satisfaction of personal growth.

The College sponsors 16 intercollegiate men’s and women’s teams. Students from either campus are eligible to compete. All practices and games are conducted at the Leicester campus.

*Athletic teams for men:*
Baseball
Basketball
Football
Golf
Ice Hockey
Athletic teams for women:
Basketball
Equestrian
Field Hockey
Lacrosse
Soccer
Softball
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 Worcester campus student center has recreation space for basketball and volleyball. Aerobic classes and intramural activities are conducted on the main floor’s synthetic surface. The Leicester campus boasts three athletic fields, tennis courts and a modern, fully-equipped gymnasium that incorporates two full basketball courts and gymnastic apparatus.

In addition to our varsity sports, Becker provides a full intramural program open to all students. A variety of individual and team-oriented games, such as coed volleyball, table tennis, basketball, weight training, indoor soccer and floor hockey, encourage friendly, yet spirited competition. Free play and recreation are also important elements of our athletic philosophy. The opportunity to spend your leisure time at unorganized play and individual practice exists seven days a week.

Becker College compiles an annual report to describe its compliance with the Equity in Athletics Disclosure Act (EADA). This report is available to current and prospective students on request.

Student Organizations

Extracurricular activities on and off campus offered through student organizations and the campus activities office provides a rich and varied college experience. We strongly encourage your involvement and participation for enhanced learning, personal development and enjoyment. Events change from year to year based on student interest. Events are chosen by the Student Activities Committee at weekly meetings. As often as possible, these events are free to all Becker Students. For more information or to get involved, please contact the Director of Student Activities.

Student activities plans various events on and off campus including:
- Comedians
- Musicians
- Game shows
- Bingo
- Trips to the movies, a Red Sox Game, the mall, amusement parks, bowling
Novelty events
- Our annual Spring Carnival and Semi Formal
- AND MORE!!!

Student Government Association (S.G.A.)

The Student Government Association (SGA) is the organization that serves as the official voice of all students within the college community. SGA serves to protect the best interests of the student body and works to bring about positive changes in campus life. Membership is comprised of student representatives from resident and commuter populations. Officers and representatives are chosen each academic year through general elections. SGA officers and members hold regular meetings to maintain and improve the quality of campus life, focusing on student needs and reasonable expectations.

Clubs and Organizations

There are various clubs and organizations on campus that serve the students in many ways. These clubs and organizations represent the interests of the students and change regularly. For the most current list of active clubs, contact the SGA. As a college responsive to the needs of its students, Becker makes every effort to support new clubs and student organizations. Since student interests vary from year to year, new ideas and suggestions are always welcome. If you have a special interest that you would like to see developed into a club, please contact the Director of Student Activities or the SGA.

Student Organizations (Active or Inactive)

Alpha Chi
Alpha Sigma Lambda
A.L.A.N.A.
Animal Health Club
B-GLHAAD–Gay Straight Alliance
Black Student Union
Breakdance Club
Business Club
Christian Fellowship Club
Community Service Club
Commuter Club
Drama Club – Creative Players Experience
Dance Club
Education Club
Fitness Club
International Club
Nursing Club
Outdoors Club
Residence Life Club
Ski and Snowboard Club
Student Activities Committee (S.A.C.)
Student Alumni Society (S.A.S.)
Student Government
Student Newspaper (The Becker Journal)
Student Life

Counseling Services

Counseling services are offered at the college to aid students in the attainment of their academic, vocational and personal goals. A variety of services are available 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 helping 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**
  It is sometimes appropriate to refer students for medication or other services off campus. Counseling Services staff are available to make referrals and consult with outside resources to provide students optimum support.

- **Educational Programming**
  Workshops and seminars are offered throughout the year to aid in academic and personal growth. Topics may include time management, stress management, depression, eating disorders, rape prevention, dating violence, etc.

Further information can be obtained by visiting the counseling webpage at: [www.becker.edu/counseling](http://www.becker.edu/counseling)

Wellness Office

The Wellness Office serves as a resource for the campus community on a broad range of health and wellness topics. We seek to support healthy lifestyle choices through education and prevention and encourage students to make informed decisions regarding their health.

Prevention campaigns vary each semester but wellness topics typically covered include:

- Sexual Responsibility
- Nutrition
- Tobacco
- AIDS
- Safe Spring Break
- Breast & Testicular Cancer Awareness

The Wellness Office serves as the primary resource for alcohol and drug education and prevention information for all students. The office coordinates campus wide efforts to address issues related to alcohol and the other drug use and provides support for those students experiencing difficulties due to their substance use.
Alcohol and drug education events held include:

Natural Highs Fair  
Watch Your BAC (Blood Alcohol Content)  
Ocksoberfest  
National Alcohol Screening Day  
Tips Training (Training for Intervention Procedures)

Health Services

The Health Services Department at Becker College offers a multidisciplinary model of health care. A variety of services beneficial to the student are available. These services include educational support which promotes optimal health and wellness.

Located on the Leicester Campus on the first floor of the Student Center, it is easily accessible by shuttle.

Staffed by registered nurses, hours of operation are Monday through Thursday, 9:00 a.m. – 4:00 p.m., Friday 9:00 a.m. – 2:00 p.m. when classes are in session. The Health Services Physician is available on Tuesdays between 1:00 p.m. – 4:00 p.m. Services available include on site medical treatment for most minor illnesses, immunizations, wellness promotion and health education. Please call 1-877-523-2537 ext. 0464 for more information and/or an appointment.

Services are provided FREE to Becker College Students, regardless of insurance. In order to receive treatment, the student must have a complete medical record on file and be compliant with state mandated requirements.

State mandated requirements (MGL Chapter 76, Section 15C) require ALL full-time undergraduate students (9 or more credits) and ALL Health Science students including: Nursing, Veterinary Technology and Animal Care students whether full-time or part-time to present a medical certificate indicating:

- MMR (2 doses measles, 2 doses mumps, 1 dose rubella)
- Meningococcal vaccine or signed waiver
- Tetanus and diphtheria (within the last 10 years)
- Hepatitis B (3 doses, or series started)
- Two-step PPD/tuberculosis test (within 1 year of entry & renewals as needed for course of study) or proof of negative chest x-ray
- Physical exam (within 1 year)

In addition, ALL Veterinary Technology, Veterinary Science and Animal Care students are required to complete a Rabies Vaccine Waiver or provide documentation of completed pre-exposure vaccination and a signed risk form. All nursing students are pre required to complete a two step PPD and Varicella titer.

Health Records are required at least two weeks prior to arrival on campus. Students who have not supplied the required medical information may be prohibited from registering for classes.
Student health records are maintained separately in a secure locked facility. They are kept strictly confidential and are never part of a student's academic record or transcript.

Blank student health forms can be downloaded from the Becker College website under Student Life/Student Services/Health Services.

**Residence Hall Life**

The residence hall living environment is managed through the Director of Student Services and is monitored by the Residence Life Staff, which consists of a Residence Life Coordinator, Area Coordinators and Resident Assistants.

The College's concern for the living environment of its students is reflected in the student handbook and managed by the Residence Life Staff, Campus Police, and the Director of Student Services. Regulations are created and maintained around the personal development of the students who are expected to accept responsibility for their actions and learn from the opportunities that present themselves.

Residence hall living is a new experience for many students. They find themselves sharing living quarters with persons from different geographic, cultural, and educational backgrounds.

Each room also contains one cable TV connection and a computer network port for each student providing high-speed access to the Internet and email. Readers should check the Becker College web page for information on recommended hardware that will be supported by the network.

**Campus Police**

The Becker College Campus Police Department is staffed by trained security officers, as well as sworn and licensed special State Police Officers with full police powers under Massachusetts General Law Chapter 22C, Section 63. 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 department's organizational structure provides for immediate feedback on crime and safety issues from all members of the Becker College community, both student body and employee alike. Through a proactive patrolling and educational effort, the Becker College Police Department is able to constantly improve its delivery of services. The open-ended organizational communications network only furthers this process.

The Campus Police Department provides coverage seven days a week and 24 hours a day during the academic year. Campus police officers reside on the Worcester and Leicester campuses. These police officers are on call 24 hours a day, seven days a week.

For a full account of crime statistics in accordance with 20 US Code Section 1092(f) the "Jean Clery Disclosure of Campus Security policy and Campus Crime Statistics Act", please visit the Becker Police Department web site at http://www.becker.edu/~police/index.htm
Alumni Association

The College strives to maintain contact with over 19,000 alumni who represent a Becker community in all 50 states and 19 foreign countries. A fifteen-member board of directors works with the Alumni Office to coordinate a number of activities for the Alumni Association, including Athletic Hall of Fame, Alumni Admissions Volunteers Program, the D. Llewellyn Evans Scholarship Fund, Alumni Homecoming, class reunions, and fund drives to support alumni and college activities. The Alumni Office publishes a magazine regularly to keep graduates in touch with new developments at Becker.

Career Services

Part of the college experience is receiving the adequate preparation to conduct a successful job search leading to satisfactory employment after graduation. Becker College provides career planning and job placement services designed to equip students with skills that contribute to career success.

Students are encouraged to take advantage of individual counseling and career assessment services. Job referrals via online career website, the Colleges of Worcester Consortium Career Fair and a career resource library make up a large part of our effort to assist students in contacting employers.

The Career Services Office offers:

**Career Development** - Workshops and classroom presentations in resume writing, interviewing techniques, career assessments, job search skills.

**Employment Opportunities** - Online full-time job listings, volunteer work, and internships for students and graduates. Assistance is also available for those students seeking part-time employment while enrolled in classes.

**Internship** - is an opportunity at an unpaid/paid career related work experience while earning college credit.

**Resources 24/7** - Click to jobs/internships and career information resources including career profiles and salary information by major, on the world-wide web and the Internet.

**Graduate School** - Test taking strategies and advising to support students applying to graduate school or pre-professional programs, such as law.

All career planning and placement services are available free of charge to Becker alumni. Additionally, the Alumni Career Network provides a framework through which students and young alumni can benefit from the help and guidance of alumni who are established in their career fields. Career Services operates a home page on the World Wide Web at http://www.becker.edu/pages/436.asp.
Academics

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/reg/ferpa/rights_pg19.html#17). One such instance is to the parents of a dependant student (parent must submit proof of dependency via signed IRS Tax forms). Becker College will, with proper documentation and a written request, disclose student education records to the parents of a dependent student. 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
- Hometown
- Date and 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 Honesty

Academic institutions have the responsibility to promote and inculcate the highest standards of ethics among students. Hence, Becker College places the highest value on academic honesty.

Any act of academic dishonesty including, but not limited to cheating, unauthorized collaboration, or plagiarism committed by a student may be penalized with an “F” for the assignment or for the course in question at the discretion of the instructor. If warranted, acts of academic dishonesty may also attract more severe sanctions such as suspension or dismissal.

Academic Warning, Probation and Dismissal

Academic Warning

Students whose cumulative grade point average during any semester falls below 2.00 will be placed on academic warning. Each student on Academic Warning will receive a letter explaining the placement and the consequent steps to follow upon returning to campus.

Academic Probation

At the end of each semester, students whose cumulative grade point grade averages do not meet the following levels will be placed on academic probation for the following semester:

<table>
<thead>
<tr>
<th>End of the first semester</th>
<th>1.00 – Credits attempted: greater than or equal to 12, but less than 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>End of the second semester</td>
<td>1.50 – Credits attempted: greater than or equal to 24, but less than 36</td>
</tr>
<tr>
<td>End of the third or subsequent semester</td>
<td>1.85 – Credits attempted: greater than or equal to 36</td>
</tr>
</tbody>
</table>

Each student on Probation will receive a letter explaining the placement and the consequent steps to follow upon returning to campus. Students on academic probation 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. They may be removed from academic probation by meeting the above criteria. Individual degree programs may have additional requirements.

Academic Dismissal

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

<table>
<thead>
<tr>
<th>End of the second semester</th>
<th>1.30 – Credits attempted: greater than or equal to 24, but less than 36</th>
</tr>
</thead>
<tbody>
<tr>
<td>End of the third or subsequent semester</td>
<td>1.50 – Credits attempted: greater than or equal to 36</td>
</tr>
</tbody>
</table>
subsequent semester

The Registrar will review the records of all students who do not meet the above criteria (and of those full-time students who after their first semester fail to earn any credits). 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 Vice President for Academic Affairs within ten (10) days of that notification.

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

Accommodations for Students with Disabilities

The Centers for Academic Success act as a liaison between students and faculty members. Students with documented disabilities who require special accommodations must make an appointment with a professional staff member in Academic Success Services each semester. In order to receive special accommodations, students are required to submit documentation to a professional staff member. After meeting with a staff member, it is incumbent upon the student to arrange a conference with his or her professor(s) to discuss the necessary accommodations for each particular course. The college will do everything possible to accommodate the student; however, the student must go through the proper channels. It is in the student's best interest to schedule an appointment at the Centers for Academic Success as close as possible to the beginning of each semester. Please be assured that information concerning any disability will remain strictly confidential.

Appeal of Grade Received

When a student believes strongly that the grade received was less than what it should have been due to error or deliberate action, the student must appeal the grade in writing to the Instructor within ten (10) days of receiving the 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 Dean of the Division offering the course and the Student Affairs Committee, who will communicate its final decision and the rationale for the decision to the Vice President for Academic Affairs.

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.
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, clinicals and practical experience) will require permission of the Division Dean.

**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 (ipods, PSPs, etc.) in the classroom. 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.

Students, staff and faculty are prohibited from using cellular phones and other devices except for duly authorized academic purposes or safety reasons in all classrooms, libraries and academic areas in the Health Education Center, Weller Academic Building 2"d and 3"d floors, Borger Academic Center 1"st and 2"nd floors, Marsh Hall and any other buildings where classes are scheduled.

**Colleges of Worcester Consortium**

Becker is a member of the Colleges of Worcester Consortium, an association of thirteen Worcester-area colleges and universities which sponsor interlibrary loan services, social events and a course cross-registration system to broaden course offerings. Full-time 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 receive permission from their faculty advisor and secure 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.

**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 the Director of 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.

Students withdrawing without following this procedure will not be withdrawn from their courses. As a result, the student will 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 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.

**Course Changes**

Changes in course registration may be made during the add/drop period by securing a course add/drop form from the Registrar’s office.

1. **Course Add:** Students who fail to get the proper approval or to return the form by the close of business on the add/drop date posted on the Academic Calendar, will not receive credit for the course involved and may jeopardize chances to enroll into another available course.

2. **Course Drop:** If a student fails to drop a course by the end of the add/drop deadline because s/he never attended a class or stopped attending a class for which s/he was registered, s/he must officially drop the course or will ultimately receive a failing grade for the course(s) not dropped. Courses dropped during the add/drop period will not appear on the student’s record. Courses dropped after the add/drop period will be recorded with a grade of W, WP or WF.

3. **Course Withdrawal:** Unless allowed by individual instructor’s syllabus attendance policy, students will not be automatically withdrawn from a course simply due to their attendance. The student must formally withdraw from a
course she/he no longer wishes to attend. Course withdrawal forms are 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 May, includes all full-time students (24 or more credit hours for the academic year – September through May) whose cumulative grade point average is 3.20 or higher at the end of the spring semester, with no grade below a C and no incomplete (I) or withdrawal/failure (WF) grades.

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.

Freshmen Assessment

All entering freshmen students are required to take screening assessments in English and Mathematics unless transfer credits in English or Mathematics have been granted. The results are the basis for the student's placement in subsequent courses. Freshman schedules may be restricted in terms of courses and credit load based on those testing results. All students in Nursing, Veterinary Technology and Veterinary Science are required to take the mathematics assessment regardless of transfer credits.

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 probation. The tuition charge for these courses is covered by the full-time rate. In an exceptional circumstance, a student may receive permission from his or her faculty advisor, Division Dean and the Registrar 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. Course overload forms are available in the Registrar's office.
**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, Non-Western Culture, Science, Social Science, and Veterinary Science).

**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. Freshmen’s testing determines the student’s readiness to enroll in this sequence of courses. Students may be required to enroll in a foundational English course as preparation for the English sequence.

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 of all students 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 complete Intent to Graduate form (including the signature of the student’s faculty advisor), pay the graduation fee and provide it to the Registrar’s office prior to the following deadlines.

- November 1 – for the December graduation
- February 1 – for the May graduation
- June 1 – for the August graduation

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

To graduate with a degree from Becker College, a candidate must meet the following requirements to be eligible for the appropriate degree:

1. A student must complete at least 50% of his/her coursework at an accredited baccalaureate degree-granting institution to receive a baccalaureate degree from Becker College.
2. The student must complete at least 25% of his/her coursework at Becker College to receive a baccalaureate or associate degree from Becker College.
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.
4. 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 twelve (12) credits outside the major and who are enrolled to complete outstanding degree coursework by August of the Ceremony year (as indicated on the Intent to Graduate Form noting when and where outstanding credits will be completed) and achieving a cumulative grade point average of 2.00, while meeting all other requirements. The degree will be issued to the student following completion of all requirements.

Grading System

Official final grades are issued after the end of each semester. Mid-term grades are provided to the Registrar’s Office for all students in all courses on the date outlined on the Academic Calendar. The Registrar’s Office makes every effort to mail grades within 5-10 business days beyond the date these grades are due.

The College uses the four-point system in computing grade point averages as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>Superior</td>
</tr>
<tr>
<td>A</td>
<td></td>
</tr>
<tr>
<td>A-</td>
<td>Above average</td>
</tr>
</tbody>
</table>
### Honors

The following cumulative grade point averages entitle the associate graduate to honors recognition at commencement: highest honors, 3.70–4.00; high honors, 3.50–3.69; honors 3.20–3.49.

The following cumulative grade point averages entitle the baccalaureate graduate to honors recognition at commencement: summa cum laude, 3.9–4.00; magna cum laude, 3.70–3.89; cum laude, 3.50–3.69.

Honors designations for recognition at commencement are determined using the cumulative quality grade point average earned at the end of the semester prior to the last semester of enrollment before graduation (associate degree program – 3rd semester of full-time enrollment, bachelor’s degree program – 7th semester of full-time enrollment).
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.

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, WP or WF is given to a student who withdraws from a course after the last day to add or drop a course. If a student drops a course after the last day to withdraw from a course without a grade, the student will receive a grade of WF for that course.

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. The Department Chair 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 reinstatement will be in effect.);
• When 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 Dean of the Division which offers the course may approve the extension time for an incomplete grade or the conversion of an incomplete to a regular grade.

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, or cooperative education. 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 internships, cooperative education, fieldwork, clinical experiences, etc.

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 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. Students completing approved internships will receive letter-grades for their performance.

Clinical Fieldwork

Students in health science programs must participate in clinical practicums to fulfill graduation requirements. These positions are usually located in health-care facilities such as hospitals, clinics, and rehabilitation centers and vary in duration. 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 request permission to 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.
Transcripts

All transcript requests must be submitted in writing and include the following information (form is 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)

First transcript is free; each additional is $5 per transcript (please do not send cash).

**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. A student must complete at least 50% of their coursework at an accredited four-year college, university or equivalent, to receive a baccalaureate degree from Becker College;
2. A student must complete at least 25% of their coursework at Becker College to receive a baccalaureate or associate degree from Becker College;
3. A student must complete at least half of the 3000-4000 level courses in their major field of study at Becker College; and
4. Grades of C or better from accredited institutions are transferable to Becker College.

**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.

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 a year without special procedure or permission. If the student is not in good standing, s/he must request reinstatement – in writing - to the Registrar.

At any time, if a student's enrollment lapses beyond a year, 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.

Technical courses  
good for up to 5 years (science & technology)
Professional courses  
good for up to 10 years (prefix-related or as specified)
General Education  
no time limit (English/Math/Non-required Elective, i.e., Pysch, Soci, Humn, etc.)

Academic Services

Centers for Academic Success

The Centers for Academic Success are dedicated to helping students achieve their goal of academic success. Both centers provide one-on-one and group content tutoring, as well as study skills instruction and workshops. The professional staff and peer tutors are available to all students.

The Worcester Center is located at 30 Roxbury Street, extension 508-373-9704. The Leicester Center is located in Marsh Hall, extension 774-354-0652.

The purpose of the Centers for Academic Success is to provide appropriate academic assistance to all students. The staff engages in a partnership with students to foster a supportive learning environment and to help them achieve their goals.
Students with Disabilities

In compliance with federal and state regulations, reasonable accommodations are provided to qualified students with disabilities. A qualified individual is a person who, with or without reasonable accommodations, can perform the essential functions of a 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 as a student qualify as a person with a disability, as defined in Chapter 504 of the Rehabilitation Act of 1973, you may wish to discuss the need for reasonable accommodation with the college. Becker College offers services through its Centers for Academic Success to students with documented physical, visual, hearing, learning, medical, and psychiatric disabilities. While upholding a commitment to students with disabilities, Becker College maintains its high standards of achievement that are essential to the integrity of the College’s programs and services.

In keeping with the College’s confidentiality policy, letters sent to faculty and staff requesting reasonable accommodations do not state the nature of a student's disability; they list only the recommended accommodations. Students must give their written consent before information concerning accommodations can be sent to college personnel. Should you be a student with a disability who is seeking accommodations or who has specific questions about disability services at Becker College, contact the Centers for Academic Success at 508-373-9704 prior to entering the institution. This will insure the college takes the proper step to ensure reasonable accommodations.

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 upon request from the student.

The Arnold C. Weller Jr. Academic Building on the Worcester campus has general-purpose labs of different sizes for classes and student use. This building also houses computer labs with testing software and general-purpose units located in the library. The Health Science Education Center has three classroom labs used for classes pertaining to those majors. The Borger Academic Building on the Leicester campus has one large general-purpose lab for class and student use and the Swan Library has general-purpose units. The Center for Academic Success on each campus also has general purpose computers for student use.

Faculty

Members of the Becker faculty are committed to personalize teaching and are one of the College’s greatest resources. Many serve as advisors to students enrolled in their programs
and each has a schedule of office hours for meeting with students outside of class. In many instances, instructors conduct field trips or participate in student activities. They are always willing to share their knowledge and can assist students in developing life goals and ambitions.

Libraries

The Becker College Libraries provide support for undergraduate studies and research through collections on both campuses. The Ruska Library on the Worcester campus houses materials in business, nursing and health sciences, criminal justice, elementary and early childhood education, legal studies, interior design and liberal arts. The Swan Library on the Leicester campus contains materials in liberal arts with other focuses on veterinary science, sports management and psychology. A reserve collection for course work is maintained in both libraries. A current Becker photographic I.D. with a library bar code serves as a library card.

Library Collections

Present library holdings include more than 72,000 books, microform, newspapers and non-print materials. Approximately 300 journals and periodicals are held; 221 are currently received. Classroom instruction is supported through the distribution of audiovisual equipment managed by the library staff.

Library Reference Assistance and Resource Sharing

Librarians assist patrons with the use of all print and on-line resources; provide information for course-related bibliographic instruction, citation documentation, customized course-integrated instruction and management of interlibrary loans through the libraries' membership in ARC and OCLC. The libraries at Anna Maria College, Assumption College, Atlantic Union College, Becker College, Clark University, College of the Holy Cross, Fitchburg State College, MA College of Pharmacy, Mount Wachusett Community College, Nichols College, Quinsigamond Community College, Tufts University School of Veterinary Medicine, UMass Medical Center, Worcester Polytechnic Institute, Worcester Public Schools and Worcester State College have agreed to share library resources. These institutions have granted direct borrowing privileges to students of the other participating colleges. Users must have a valid college I.D. and a cross-borrowing card and are subject to the rules and procedures set by each library.
Online Catalog

All materials from the two libraries of Becker College are integrated with on-site and remote access to catalog data via its web-based Millennium system from Innovative Interfaces.

Students also have remote access to specialized research databases via the library home page, which can be accessed from the College website.
Academic Programs

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

1. Division of Health Sciences
2. Leicester Campus
3. Division of Humanities and Sciences
4. Division of Management and Criminal Justice
5. 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/pages/634.asp). Specific questions regarding the selection of electives should be directed to Student Advisors or the Registrar.

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

Health Science Division

Bachelor of Science in Nursing

Graduates from the RN-to-BSN program acquire a deeper and broader level of assessment, communication, critical thinking and technical skills. The program provides students with the theory and competencies for continued professional practice, community health assessment and leadership, as well as research competencies to serve as a foundation for graduate study in nursing.

The RN-BSN program is a two-year completion program that provides the necessary foundation for practice at the baccalaureate level. During the final two semesters the student has the opportunity to apply this knowledge in practicum experiences in a variety of clinical settings. In addition, the RN-BSN program offers the nurse the opportunity to explore a range of nursing electives including courses in holistic nursing.

This program is offered in a format which allows students to continue working full-time while attending classes on a full-time or part-time basis.

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>NURS3001 Philosophical &amp; Theoretical</td>
<td>3</td>
<td>NURS3101 Health &amp; Physical Assessment of</td>
<td>4</td>
</tr>
<tr>
<td>Foundations of Nursing Practice</td>
<td></td>
<td>Assessment of Individuals &amp; Families</td>
<td></td>
</tr>
<tr>
<td>NURS3002 Holistic Theory</td>
<td>3</td>
<td>NURS3003 Applied Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>NURS3100 Research in Nursing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL2003 Public Speaking</td>
<td>3</td>
<td>NURS3102 Business of Nursing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Elective (Humanities)</td>
<td>16</td>
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</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>NURS4001 Nursing in a Global Society</td>
<td>3</td>
<td>NURS4101 Professional Nursing Seminar</td>
<td>3</td>
</tr>
<tr>
<td>NURS4002 Independent Practicum I</td>
<td>3</td>
<td>NURS4003 Independent Practicum II</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Nursing)*</td>
<td>3</td>
<td>Elective (Nursing)*</td>
<td>3</td>
</tr>
<tr>
<td>PHIL2001 Health Ethics</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td>HUMN3100 Intercultural Communications</td>
<td>3</td>
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<tr>
<td></td>
<td>15</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Total Credits: 55
* Nursing Electives

- NURS4401 – Advanced Holistic Nursing Practice
- NURS4402 – Nursing Leadership and Politics
- NURS4403 – Professional Nurse as Educator
- NURS4404 – Disease Prevention

**Associate of Science in Nursing**

Accredited by the National League for Nursing Accrediting Commission, Inc. (NLNAC), 61 Broadway-33rd Floor, New York, NY 10006, 1-800-669-1656, ext. 153 and approved by the Massachusetts Board of Registration in Nursing (BORN), 239 Causeway Street, 2nd floor, Suite 200, Boston, MA 02114, 1-800-414-0168, the Becker College Associate Degree nursing program provides students with the knowledge, skills, values, and competencies necessary for entry level nursing practice.

Upon successful completion of the program, the graduate will be prepared to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). As an entry level nurse, the graduate will be prepared to practice in accordance with the National League for Nursing (NLN) Educational Competencies for the Associate Degree Graduate (2002). The graduate will be prepared to utilize the nursing process in the direct care of clients with health needs and problems across the continuum of care throughout the lifespan. Above all, the student is prepared to enter the nursing profession as a competent caring individual and a contributing community citizen.

**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>BIOL2503 Anatomy &amp; Physiology I</td>
<td>4</td>
<td>BIOL2502 Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>BIOL2504 Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>NURS1103 Health Assessment</td>
<td>3</td>
<td>NURS1105 Nursing II</td>
<td>10</td>
</tr>
<tr>
<td>Theory/Class (2.5 cr)</td>
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<td>Theory/Class (5 cr)</td>
<td></td>
</tr>
<tr>
<td>Lab/Clinical Practice (0.5 cr)</td>
<td></td>
<td>Lab/Clinical Practice (5 cr)</td>
<td></td>
</tr>
<tr>
<td>NURS1104 Fundamentals of Nursing</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Theory/Class (2 cr)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab/Clinical Practice (2 cr)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td></td>
<td>18</td>
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<tr>
<td></td>
<td>16</td>
<td></td>
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</tbody>
</table>

**Sophomore Year**

**Fall Semester**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>NURS2201 Nursing III</td>
<td>10</td>
<td>NURS2202 Nursing IV</td>
<td>10</td>
</tr>
<tr>
<td>Theory/Class (5 cr)</td>
<td></td>
<td>Theory/Class (5 cr)</td>
<td></td>
</tr>
<tr>
<td>Lab/Clinical Practice (5 cr)</td>
<td></td>
<td>Lab/Clinical Practice (5 cr)</td>
<td></td>
</tr>
</tbody>
</table>

*Must have tested out of foundations courses to be eligible for a nursing major.*
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 for each 3 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.

Nursing students are required to complete an approved NCLEX-RN review course prior to taking the licensing exam.

According to Nursing Program policy, students must pass required science courses (Anatomy and Physiology 1 and 2, Microbiology) with a minimum grade of C. A minimum grade of C (75) must be achieved in all nursing courses. Students who do not achieve the minimum grade of C (75) will be required to apply for reinstatement, which may involve meeting additional requirements and will be granted on a space available basis. Students are allowed to repeat only ONE nursing course. Withdrawal past the deadline to withdraw without a grade, when the course grade at the time of withdrawal is below the passing standard, will be recorded as a WF and counts as a repeat of a nursing course. For specific policies regarding progression within the nursing program, please refer to the Becker College Nursing Student Handbook (http://www.becker.edu/pages/749.asp).

### Additional Requirements

Cardiopulmonary Resuscitation Provider Certification Level C (American Heart Association)

Criminal Record Investigation (CORI) is conducted after acceptance into the nursing program and annually. Students are advised that when the investigation reveals a history of a felony or selective misdemeanors, the Board of Registration in Nursing may bar initial licensure. See http://www.mass.gov/Eeohhs2/docs/dph/quality/boards/good_moral_info.pdf.

Medical documentation of:

1. A physical exam conducted by September 1 of the entering year.
2. MMR (2 doses), Varicella (or titer)
3. A two step and then an annual screening for Tuberculosis indicating non-exposure.
4. A positive Tuberculosis screening requires a follow-up chest x-ray, every five years, which must be physician documented.
5. A Tetanus booster within 10 years.
6. Hepatitis series: first two must be one month apart and the last dose 5 months from
the second.

**Career Opportunities:**

Graduates are qualified to practice nursing in a variety of structured health-care work situations including acute, sub-acute, long-term, rehabilitation and community settings.

**Academic Programs**

**Leicester Campus**

**Bachelor of Science in Exercise Science**

Exercise Science - the science of human movement 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 obtaining 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 sequencing may vary as long as prerequisites are met.

**Freshman Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO1001</td>
<td>Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>SOCI1001</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SPMG2302</td>
<td>Intro to Sports Management</td>
<td>3</td>
</tr>
<tr>
<td>ACAD1001</td>
<td>First Year Experience</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL2503</td>
<td>Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>EXSC2204</td>
<td>Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>EXSC2205</td>
<td>Human Structure &amp;</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL2504</td>
<td>Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>EXSC2202</td>
<td>Emergency Responder</td>
<td>3</td>
</tr>
<tr>
<td>EXSC2705</td>
<td>Advanced Personal Trainer</td>
<td>4</td>
</tr>
</tbody>
</table>
### Bachelor of Science in Veterinary Science

#### Veterinary Science Major

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. 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.

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. With careful selection of courses and preceptorship experiences, graduates of the program are eligible to sit for certification exams in laboratory animal technology and histotechnology. Many of our graduates have pursued career paths in clinical laboratory technology, emergency medicine and critical care, laboratory animal medicine, medical and pharmacological research, and graduate studies.

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 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 concentration options available are Clinical Medicine, Laboratory Animal Medicine, and Pre-Veterinary. Supplementing the didactic course work is a preceptorship 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.

For further information about our facility, faculty and curriculum, go to the Animal Science Programs department page (http://www.becker.edu/pages/463.asp).

**Clinical Medicine Concentration**

The Clinical Medicine concentration is designed to further enhance the student’s knowledge of nutrition, animal husbandry, nursing, zoonotic diseases and preventive medicine in the major domestic animal species as well as less traditional companion animals. Biomedical technologies, advanced diagnostic procedures and nursing skills are emphasized.

**Laboratory Animal Medicine Concentration**

This concentration is designed for Veterinary Technology students interested in a career within the discipline of laboratory animal science. In addition to advanced foundation courses in the biological sciences, students receive training in non-human primate and non-primate laboratory animals, research methodologies, nutrition, ethics, and laboratory management.

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</td>
<td>4</td>
<td>VTSC1102 Clinical Veterinary</td>
<td>4</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>VTSC2500 Veterinary Anesthesia and Surgery</td>
<td>3</td>
<td>VTSC2000 Laboratory Animal Science</td>
<td>2</td>
</tr>
<tr>
<td>VTSC2102 Clinical Pathology</td>
<td>4</td>
<td>VTSC2001 Veterinary Radiology</td>
<td>2</td>
</tr>
<tr>
<td>VTSC2201 Farm Animal Practice</td>
<td>2</td>
<td>VTSC2101 Veterinary Hematology</td>
<td>4</td>
</tr>
<tr>
<td>INFO1001 Technology and Society Elective (Humanities)</td>
<td>3</td>
<td>VTSC2900 Career Internship</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
<td>Elective (Social Science)</td>
<td>3</td>
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<td></td>
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</tbody>
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### Junior Year

<table>
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<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>PHIL3200 Ethics in Veterinary Medicine</td>
<td>3</td>
<td>BIOL3001 Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL2502 Microbiology</td>
<td>4</td>
<td>VTSC3400 Immunology</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 (English 2000+)</td>
<td>3</td>
<td>Elective (Non-Western Culture)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Computer Science)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td>18</td>
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</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>BIOL3500 Genetics</td>
<td>3</td>
<td>VTSC4900 Preceptorship Option I or</td>
<td>12</td>
</tr>
<tr>
<td>PHIL3200 (Humanities/Social Science)</td>
<td>3</td>
<td>VTSC4901 Preceptorship Option II and Elective or</td>
<td>9/3</td>
</tr>
<tr>
<td>VTSC3600 Veterinary Nutrition</td>
<td>3</td>
<td>VTSC4902 Preceptorship Option III and 2 Electives</td>
<td>6/6</td>
</tr>
<tr>
<td>Electives (Veterinary Science)</td>
<td>6</td>
<td>VTSC4500 Senior Seminar</td>
<td>2</td>
</tr>
</tbody>
</table>
Veterinary Science electives include (no more than 1 elective at the 2000 level):

- ANSC2403 Equine Nutrition: 3 Credits
- ANSC3503 Equine Reproduction and Breeding: 3 Credits
- ANSC2701 Equine Anatomy & Physiology: 3 Credits
- BIOL3201 Primatology: 3 Credits
- BIOL3202 Histology: 4 Credits
- PSYC2603 Brain and Behavior: 3 Credits
- VTSC3100 Laboratory Animal Management: 3 Credits
- VTSC3402 Advanced Veterinary Nursing Techniques: 3 Credits
- VTSC3405 Pain Medicine: 2 Credits
- VTSC3701 Equine Biomechanics and Conformation: 3 Credits
- VTSC4102 Laboratory Animal Diseases: 3 Credits
- VTSC4201 Equine Pathology and Disease: 3 Credits
- VTSC4401 Companion Animal Diseases: 3 Credits

Mathematics electives include:

- BIOL3200 Biostatistics: 3 Credits
- MATH2202 Calculus: 3 Credits
- MATH2200 Statistics: 3 Credits

Computer Science electives include:

- INFO1003 Computer Applications: 3 Credits
- INFO2100 Internet: 3 Credits
- INFO2200 Desktop Publishing: 3 Credits

Students who fail to achieve a C or better in any core Veterinary Technology and Veterinary Science course after two attempts will be dropped from the program. The core Veterinary Technology and Veterinary Science courses include all required courses with an ANSC, BIOL, MATH, CHEM, PHIL, PSYC and VTSC designation.

Please refer to the specific admission requirements for all Health Science programs in the Admission section of the academic catalog, under the "Health & Sciences Applicants" section.

Pre-Veterinary Concentration

The pre-veterinary concentration allows the student to receive a Bachelor's Degree in Veterinary Science while meeting the requirements for most Veterinary Schools as well as the requirements for the 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 pre-requisite 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.

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 and farm animal facilities. These out-reach programs give the students experiences with a wide range of animal species. 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.

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>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</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td>17</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>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>CHEM2100 Organic Chemistry I</td>
<td>4</td>
<td>CHEM2101 Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
<td>VTSC1200 Veterinary Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td>English Elective 2000+</td>
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<td></td>
<td>18</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>VTSC2001 Veterinary Radiology</td>
<td>2</td>
<td>VTSC2000 Laboratory Animal Science</td>
<td>2</td>
</tr>
<tr>
<td>VTSC2101 Veterinary Hematology</td>
<td>4</td>
<td>VTSC2500 Veterinary Anesthesia</td>
<td>3</td>
</tr>
</tbody>
</table>
Students who fail to achieve a C or better in any core Veterinary Technology and Veterinary Science course after two attempts will be dropped from the program. The core Veterinary Technology and Veterinary Science courses include all required courses with an ANSC, BIOL, MATH, CHEM, PHIL, PHYS and VTSC designation.

Please refer to the specific admission requirements for all Health Science programs in the Admission section of the academic catalog, under the "Health & Sciences Applicants" section.

**Laboratory Animal Management Major**

The objective of the Bachelor’s degree program in Laboratory Animal Management 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 internship and preceptorship 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 page ([http://www.becker.edu/pages/463.asp](http://www.becker.edu/pages/463.asp)).

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 Intro to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC1005 Kennel Operations</td>
<td>3</td>
<td>ANSC1010 Animal Health Skills</td>
<td>3</td>
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<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 Freshman 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 Intro to Lab Animal Science</td>
<td>2</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>ANSC2900 Internship****</td>
<td>3</td>
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<td>17</td>
</tr>
<tr>
<td></td>
<td>18</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>BIOL2502 Microbiology</td>
<td>4</td>
<td>Elective (open)</td>
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</tr>
<tr>
<td>ANSC3401 Lab Animal Tech Methods I</td>
<td>4</td>
<td>Elective (Social Science)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Humanities)</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>
</tbody>
</table>
## Senior Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL3200</td>
<td>Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>14</td>
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</tbody>
</table>

### Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC4401</td>
<td>Lab Animal Tech Methods III</td>
<td>4</td>
</tr>
<tr>
<td>PHIL3200</td>
<td>Ethics of Veterinary Medicine</td>
<td>3</td>
</tr>
<tr>
<td>BIOL3201</td>
<td>Primatology</td>
<td>3</td>
</tr>
<tr>
<td>ANSC4900</td>
<td>Preceptorship</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>(Social Science)</td>
<td>3</td>
</tr>
</tbody>
</table>

### Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC4700</td>
<td>The World of Research</td>
<td>3</td>
</tr>
<tr>
<td>ANSC4901</td>
<td>Preceptorship</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>(Open)</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>(Humanities/Social Science)</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>(Non-Western Culture)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 127

Students are advised that taking Computer Applications is strongly recommended.

For further information about our facility, faculty and curriculum, go to the Animal Science Programs department page ([http://www.becker.edu/pages/463.asp](http://www.becker.edu/pages/463.asp)).

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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC1201</td>
<td>Introduction to Grooming</td>
<td>1</td>
</tr>
<tr>
<td>ANSC2201</td>
<td>Intermediate Grooming</td>
<td>2</td>
</tr>
<tr>
<td>MGMT2500</td>
<td>Small Business Administration</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>(Humanities/Social Science)</td>
<td>6</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

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 internship are actually completed in the summer between the first and second years.

### Equine Studies Major

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. Students may select from 3 distinct concentrations in the Equine Studies Major:

**Riding Instruction** - Upon graduation the student will have the background to sit for the Massachusetts Riding Instructor certification. The theory and principles of riding and riding instruction and training are combined with principles of education, business, and equine science. As it becomes available, information will be incorporated to assist students in qualification for nationally recognized certifications. An internship 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. An additional fee of $650 will be charged for courses involving riding instruction and training of horses.

**Facilities Management** – Students in this concentration will be prepared to deal with the various aspects of operating an equine facility while developing a background in the areas of nutrition, behavior, and breeding. Business and equine courses support this concentration which culminates in an internship experience requiring practical application of skills learned.

**Basic Science** - This concentration is geared toward a student who wishes a solid science background with an emphasis on equines. Students in this concentration may wish to pursue graduate school and professional careers. Limited open electives provide the opportunity for the student to gain further equine experience or to meet specific requirements for graduate school. An internship during the senior year can be tailored to the student’s area of interest and assist in meeting long term career goals.

The core program of Equine Studies focuses on the development of equine handling, training and teaching skills as well as a knowledge of equine health and husbandry. To attain this knowledge a student must have an understanding of the biological sciences, including anatomy and physiology, nutrition, behavior and pathology. In addition, students will develop a strong and comprehensive science background with additional requirements in business principles, math and computers.

Becker’s philosophy of riding and riding instruction places high value on building a solid foundation in the theory and principles of riding. This can then be applied to different styles of riding and competition. Students and instructors focus on the mechanics of both the rider and the horse in an environment which facilitates learning at all levels.

All students in the Program will be involved in the daily maintenance and care of the horses and the facility, including feeding, cleaning stalls, stocking of feed and bedding, and turning out the horses. During the freshman year this will be a requirement of an introductory course; in subsequent semesters students may have opportunities to work or volunteer in the barn.

**Entrance Requirements:** See Becker College admissions information. Additionally, students in the Basic Science concentration are required to have a 2.5 GPA to qualify for admission. 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 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 for participation in courses where contacts with horses are required.

Additional Costs: 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). Equitation/riding classes have an additional fee not covered by the tuition fee. 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.

Equine Studies with a Riding Instruction Concentration

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>BIOL1001 Biology I</td>
<td>4</td>
<td>BIOL1002 Biology II</td>
<td>4</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>ANSC1400 Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>EQST1001 Foundations in Riding I</td>
<td>3</td>
<td>EQST1002 Foundations in Riding II</td>
<td>3</td>
</tr>
<tr>
<td>ANSC1601 Introduction to Equine Handling and Management</td>
<td>3</td>
<td>PSYC2806 Educational Psychology</td>
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<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>ENGL1001 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td>16</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>ANSC2401 Animal Nutrition</td>
<td>3</td>
<td>ANSC2202 Domestic Animal Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EQST2001 Principles of Riding</td>
<td>3</td>
<td>EQST2002 Principles of Riding</td>
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</tbody>
</table>
### Equine Studies with Facilities Management Concentration

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>Instruction I</th>
<th>Instruction II</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC2701 Equine Anatomy and Physiology</td>
<td>ANSC2501 Animal Breeding</td>
</tr>
<tr>
<td>MATH1200 College Algebra</td>
<td>ANSC2403 Equine Nutrition</td>
</tr>
<tr>
<td>ENGL1003 Writing about Literature</td>
<td>MGMT2200 Principles of Management</td>
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<td></td>
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<td>15</td>
<td>15</td>
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</table>

- **Junior Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT2801 Fundamentals of Farm and Stable Management</td>
<td>VTSC3701 Equine Biomechanics and Conformation</td>
</tr>
<tr>
<td>ACCT1001 Accounting Principles I</td>
<td>EQST3200 Basic Training Methods</td>
</tr>
<tr>
<td>EQST3001 Principles of Riding Instruction III</td>
<td>EQST2200 Equine Industry and the Law</td>
</tr>
<tr>
<td>EQST3100 Equine Behavior</td>
<td>INFO1001 Technology and Society</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>English Elective (2000+)</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td>16</td>
<td>15</td>
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</table>

- **Senior Year**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective (Non-Western Culture)</td>
<td>VTSC4201 Equine Pathology and Diseases</td>
</tr>
<tr>
<td>EQST4200 Training Under Saddle</td>
<td>EQST4900 Equine Studies Internship</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>Humanities Elective</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>Open Elective</td>
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<td>Open Elective</td>
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</table>

**Total Credits:** 123
<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>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</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>ACAD1001 First Year Experience</td>
<td>2</td>
<td>ANSC1400 Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>MATH1200 College Algebra</td>
<td>3</td>
<td>ANSC1601 Introduction to Equine Handling and Management</td>
<td>3</td>
</tr>
<tr>
<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>Elective (Social Science)</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>ANSC2401 Animal Nutrition</td>
<td>3</td>
<td>ANSC2202 Domestic Animal Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKTG2104 Marketing</td>
<td>3</td>
<td>MGMT2200 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>ANSC2701 Equine Anatomy and Physiology</td>
<td>3</td>
<td>ANSC2501 Animal Breeding</td>
<td>3</td>
</tr>
<tr>
<td>ACCT1001 Accounting Principles I</td>
<td>3</td>
<td>ANSC2403 Equine Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Humanities)</td>
<td>3</td>
<td>Open Elective</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>MGMT2801 Fundamentals of Farm and Stable Management</td>
<td>3</td>
<td>VTSC3701 Equine Biomechanics and Conformation</td>
<td>3</td>
</tr>
<tr>
<td>INFO1003 Computer Applications</td>
<td>3</td>
<td>MGMT3400 Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>LGLS1207 Contracts and Uniform Commercial Code</td>
<td>3</td>
<td>EQST3300 Feeds and Forages</td>
<td>3</td>
</tr>
<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>EQST2200 Equine Industry and the Law</td>
<td>3</td>
</tr>
<tr>
<td>Elective (ENGL2000+)</td>
<td>3</td>
<td>Elective (Social Science)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<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>EQST4500 Equine Facilities Management</td>
<td>3</td>
<td>VTSC4201 Equine Pathology and Disease</td>
<td>3</td>
</tr>
<tr>
<td>ANSC3503 Equine Reproduction and Breeding Management</td>
<td>3</td>
<td>EQST4900 Equine Studies Internship</td>
<td>6</td>
</tr>
<tr>
<td>Elective (Humanities)</td>
<td>3</td>
<td>EQST3104 Special Topics in the Equine Industry</td>
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<tr>
<td>Elective (Non-Western Culture)</td>
<td>3</td>
<td>Elective (Social Science)</td>
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<tr>
<td>Open Elective</td>
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</tr>
<tr>
<td><strong>Total Credits:</strong></td>
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<td></td>
<td><strong>124</strong></td>
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</tbody>
</table>

**Equine Studies with Basic Science Concentration**

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>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>BIOL1005 Anatomy and Physiology of Domestic Animals I</td>
<td>4</td>
<td>BIOL1006 Anatomy &amp; Physiology of Domestic Animals II</td>
<td>4</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>ANSC1400 Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>MATH1200 College Algebra</td>
<td>3</td>
<td>ANSC1601 Introduction to Equine Handling and Management</td>
<td>3</td>
</tr>
<tr>
<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>Elective (Social Science)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
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<td>16</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>ANSC2401 Animal Nutrition</td>
<td>3</td>
<td>ANSC2202 Domestic Animal Behavior</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>ANSC2701 Equine Anatomy and Physiology</td>
<td>3</td>
<td>ANSC2501 Animal Breeding</td>
<td>3</td>
</tr>
<tr>
<td>ACCT1001 Accounting Principles I</td>
<td>3</td>
<td>ANSC2403 Equine Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CHEM1001 Chemistry I</td>
<td>4</td>
<td>CHEM1002 Chemistry II</td>
<td>4</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>INFO1003 Computer Applications</td>
<td>3</td>
<td>VTSC3701 Equine Biomechanics and Conformation</td>
<td>3</td>
</tr>
<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>MATH2202 Calculus</td>
<td>3</td>
</tr>
<tr>
<td>PHYS2001 Physics I</td>
<td>4</td>
<td>PHYS2002 Physics II</td>
<td>4</td>
</tr>
<tr>
<td>Elective (ENGL2000+)</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Social Science)</td>
<td>3</td>
<td></td>
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</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>Elective (Non-Western Culture)</td>
<td>3</td>
<td>VTSC4201 Equine Pathology and Diseases</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Science 3000/4000)</td>
<td>3</td>
<td>Elective (Science 3000/4000)</td>
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</tr>
<tr>
<td>Open Elective</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Humanities)</td>
<td>3</td>
<td>EQST4900 Equine Studies Internship or choose 3 cr internship (EQST4908) and 3 cr open elective</td>
<td>6</td>
</tr>
<tr>
<td>Elective (Social Science)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Total Credits: 124

**Curricular note:** Students in the Facilities Management concentration are encouraged to take Spanish as a humanities elective due to the high number of Spanish-speaking individuals employed in this field. Students in the Basic Sciences concentration who plan to pursue graduate level education are encouraged to take Organic Chemistry I and II as open electives.

### 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 rooms and laboratory animal rooms.

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 Animal Science Programs department page (http://www.becker.edu/pages/463.asp).

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>ANSC1005 Kennel Operations and Design</td>
<td>3</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>BIOL1001 Biology I</td>
<td>4</td>
<td>ANSC1400 Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>BIOL1002 Biology II</td>
<td>4</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>ENGL1003 Writing about Literature</td>
<td>17</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>ANSC2200 Dog Obedience or</td>
<td>2</td>
<td>ANSC2200 Dog Obedience or</td>
<td>2</td>
</tr>
<tr>
<td>ANSC2201 Intermediate Grooming</td>
<td>2</td>
<td>ANSC2201 Intermediate Grooming</td>
<td>2</td>
</tr>
<tr>
<td>ANSC2401 Animal Nutrition</td>
<td>3</td>
<td>ANSC2202 Domestic Animal Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ANSC2900 Career Internship</td>
<td>3</td>
<td>ANSC2501 Animal Breeding</td>
<td>3</td>
</tr>
<tr>
<td>MGMT2500 Small Business Management</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Humanities/Social Science)</td>
<td>3</td>
<td>(Humanities/Social Science)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>Total Credits:</td>
<td></td>
<td></td>
<td>62</td>
</tr>
</tbody>
</table>

Special Requirements:
All full and part-time students are required to demonstrate proof of medical insurance and a tetanus booster within the last ten (10) years and tuberculosis test within one (1) year to participate in classes that involve contact with animals. 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. For health and safety of students appropriate dress will be addressed in all classes that require laboratories.

**Associate of Science in Veterinary Technology**

A Veterinary Technician is a graduate of an American Veterinary Medical Association 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 over 1,000 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 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 Animal Science Programs page (http://www.becker.edu/pages/463.asp).

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>
</tbody>
</table>

17
Sophomore Year

**Fall Semester** | **Credit Hours** | **Spring Semester** | **Credit Hours**
---|---|---|---
VTSC2500 Veterinary Anesthesia and Surgery | 3 | VTSC2000 Laboratory Animal Science | 2 |
VTSC2102 Clinical Pathology | 4 | VTSC2001 Veterinary Radiology | 2 |
VTSC2201 Farm Animal Practice | 2 | VTSC2101 Veterinary Hematology | 4 |
INFO1001 Technology and Society Humanities/Social Science Elective | 3 | Humanities/Social Science Elective | 3 |
ENGL1003 Writing about Literature | 3 | | 14 |
| 18 | Total Credits: | 66 |

**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. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

Students who fail to achieve a C or better in any core Veterinary Technology course after two attempts will be dropped from the program. The required Veterinary Technology courses include all courses with an ANSC, BIOL, MATH or CHEM designation.

Please refer to the specific admission requirements for all Health Science programs in the Admission section of the academic catalog, under the "Health & Sciences 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. Only graduates of an AVMA accredited Veterinary Technology program are eligible to take the Veterinary Technician National Examination (VTNE). Technicians wishing to be certified in Massachusetts will need to achieve a qualifying score on the 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.
Academic Programs

Humanities and Sciences Division

Department of Humanities and Languages

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 are expected to select a concentration in Elementary Education to complement the core curriculum and 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.

Students who elect a concentration in Elementary Education* are provided preparation for certification to teach grades 1 – 6 in inclusionary classrooms. All education courses are designed to meet the criteria of best current practices drawn from National Standards and Massachusetts Department of Education Standards and Curriculum Frameworks.**

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>INFO1001</td>
<td>3</td>
<td>ENGL1003</td>
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<tr>
<td>ENGL1001</td>
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<td>MATH1200</td>
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<tr>
<td>HIST1308</td>
<td>3</td>
<td>PHIL1001</td>
<td>3</td>
</tr>
<tr>
<td>HUMN1001</td>
<td>3</td>
<td>SOCI1001</td>
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<tr>
<td>PSYC1001</td>
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<tr>
<td>ACAD1001</td>
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17  15
**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>BIOL1001 Biology I or CHEM1001 Chemistry I or ENVS1001 Environmental Science I ENGL2001 Public Speaking GOVT1108 American Government</td>
<td></td>
<td>ARTS1003 Art History I or ARTS1004 Art History II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC1002 Developmental Child Psychology or PSYC1107 Human Growth and Development Elective (Open)</td>
<td>3</td>
<td>ENGL2102 Advanced Composition or Elective (ENGL 2000+)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>HIST1309 U.S. History II SOCI2400 Social Problems</td>
<td>3</td>
</tr>
<tr>
<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>ENGL3001 American Literature I or ENGL3003 English Literature I PHIL3001 Ethics PSYC2002 Psychology of Personality or SOCI3001 Individual &amp; Society Elective (HUMN 2000+) Elective (Open)</td>
<td></td>
<td>ENGL3002 American Literature II or ENGL3004 English Literature II MATH2200 Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Elective (HUMN 2000+) Elective (Open)</td>
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</tr>
<tr>
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</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>HIST3100 American Constitutional History Elective (English 3000 + level) Elective (Humanities 2000 + level) Elective (Open) Elective (Open)</td>
<td>3</td>
<td>ANTH3200 Cultural Anthropology or GOVT3001 Political Theory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>
* For admission into the upper division courses in Elementary Education (junior and senior year), students must demonstrate an overall 3.0 QPA in lower division courses. Students whose QPA is between 2.6 and 2.9, may enter the upper-level Elementary Education program on PROBATION in the junior year following an appeal to and the approval of the Dean of the Division of Humanities and Sciences and the Chair of the Department of Teacher Education and Family Studies. Students who are not admitted to the Elementary Education program after one year of probation will major in liberal arts and graduate with a Bachelor of Arts in Liberal Arts.

Passing scores are required on the Massachusetts Tests of Educator Licensure (MTEL): Communication and Literacy and Foundations of Reading in order to enroll in EDUC4201 (Elementary Education Practicum) and EDUC4202 (Elementary Education Seminar) in the senior year. Students who are unable to meet these requirements will major in psychology and graduate with a Bachelor of Arts in Psychology.

** Teacher Licensure Requirements: The Massachusetts Department of Education requires all licensure candidates to take and pass three Massachusetts Tests of Educator Licensure (MTEL): in Communication and Literacy, Foundations of Reading, and Subject Matter in Elementary Education.

This is a Massachusetts Department of Education Approved Licensure Program – Initial License (Elementary Education 1-6).

Bachelor of Arts in Liberal Arts - Elementary Education Concentration (Leading to Massachusetts Department of Education Teacher Licensure)

Admission into the Education Licensure Programs: Elementary (1-6)

At the end of the sophomore year, students are invited to apply for admission into an education licensure program of study. To be considered for admission, applicants must submit an essay explaining why they want to be a classroom teacher, a degree audit indicating a cumulative G.P.A. of 2.5 overall and a 3.0 in all education and related courses, and evidence that the applicant has passed the Communication and Literacy skills MTEL. The chair of the department will notify students of their acceptance into a program. Those who successfully complete the licensure program will graduate with "distinction in Education."

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>ARTS1003 Art History I or</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>ARTS1004 Art History II</td>
<td></td>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1006 Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>HIST1308 U.S. History I</td>
<td>3</td>
<td>MATH1200 College Algebra</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
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</tr>
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</tr>
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<td>PSYC1001</td>
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Sophomore Year

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Junior Year

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Senior Year

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</table>
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

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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**Sophomore Year**

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**Junior Year**

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<td>PSYC4001 Research Methods or</td>
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PSYC2203 Understanding Diversity 3  Psychology Elective 3 2000+ level

Psychology Elective 3

18 15

**Senior Year**

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Total Credits: 124

**Bachelor of Arts in Psychology (Honors Program)**

**Admission into the Psychology Honors Program**

At the conclusion of the sophomore year, students are invited to apply for honors track in the Psychology degree program. Applicants must submit a letter of intention, a letter of reference from instructors outside of the Department of Teacher Education and Family Studies, a degree audit indicating a cumulative GPA of 2.5 overall and 3.0 in courses within the major (non-general education). Upon review of these materials, the student may be invited by the faculty of the Department of Teacher Education and Family Studies to enroll in the honors program. At the end of the Junior year, students will be reassessed, and only those who have retained their 3.0 G.P.A. in the major will be invited to continue in the honors program. Those who successfully complete PSYC4902 will graduate with “distinction in Psychology.”

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>
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<th>Credit Hours</th>
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<td>ENGL1003 Writing about Literature</td>
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**Sophomore Year**

**Fall Semester**

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**Junior Year**

**Fall Semester**

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15
### Senior Year

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**Total Credits:**

121

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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. Completing the three courses in ABA and three intensive supervised practica, will qualify students to sit for the national certification examination sponsored by the Behavior Analyst Certification Board (BACB). Success on the examination will qualify students to be listed as professional behavior therapists on the national register.

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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### Freshman Year

<table>
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<th>Credit Hours</th>
<th>Spring Semester</th>
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### Junior Year

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<td>PSYC4001 Research Methods or</td>
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<tr>
<td>Behavior</td>
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<tr>
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<td>SOCI 4001 Data Analysis</td>
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<td>Behavior Analysis</td>
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### Senior Year

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<th>Credit Hours</th>
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<tbody>
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<td>3</td>
<td>PSYC3305 Group Counseling</td>
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<tr>
<td>PSYC3402 Child Psychopathology</td>
<td>3</td>
<td>PSYC4306 Counseling Theory and</td>
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<td>Practice</td>
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<td>Non-Western Elective</td>
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Bachelor of Arts in Psychology – Applied Behavior Analysis Concentration (Honors 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**

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<thead>
<tr>
<th>Fall Semester</th>
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<th>Credit Hours</th>
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<td>INFO1001 Technology and Society</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>PSYC2505 Community Systems and Intervention</td>
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<td>PSYC1001 Introduction to Psychology</td>
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<td>PSYC2002 Psychology of Personality</td>
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<td>PSYC2001 Psychology of Adjustment</td>
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**Sophomore Year**

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<td>BIOL1002 Biology II with Lab</td>
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<tr>
<td>ENGL2001 Survey of Literature or</td>
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<td>ENGL2003 Public Speaking</td>
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<td>PSYC2003 Behavioral Assessment and Data Collection and Interpretation</td>
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<tr>
<td>PSYC1107 Human Growth and Development or</td>
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<tr>
<td>PSYC1002 Developmental Child Psychology</td>
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<td>PSYC1003 Basic Concepts and Principles in</td>
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<td>PSYC2300 Adolescent Psychology</td>
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Total Credits: 16
Junior Year

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<td>PSYC3400 Abnormal Psychology</td>
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<td>PSYC3013 Practicum in Applied Behavior Analysis</td>
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<td>PSYC3003 Strategies for Changing Behavior</td>
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Senior Year

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<tbody>
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<td>PSYC3402 Child Psychopathology</td>
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<tr>
<td>PSYC2603 Brain and Behavior</td>
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<td>PSYC2203 Understanding Diversity</td>
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<td>Open Elective</td>
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Bachelor of Arts in Psychology - Early Childhood Education Concentration (leading to Massachusetts Department of Education Teacher Licensure)

Admission into the Education Licensure Programs: Early Childhood (PK-2)

At the end of the sophomore year, students are invited to apply for admission into an education licensure program of study. To be considered for admission, applicants must submit an essay explaining why they want to be a classroom teacher, degree audit indicating a cumulative G.P.A. of 2.5 overall and a 3.0 in all education and related courses, and evidence that the applicant has passed the Communication and Literacy skills MTEL. The chair of the department will notify students of their acceptance into a program. Those who successfully complete the licensure program will graduate with “distinction in Education.”

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>
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<tbody>
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<td>PSYC1002 Developmental Child Psychology</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
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</tr>
<tr>
<td>EDUC1003 Principles of Education</td>
<td>4</td>
<td>EDUC1004 Experiences in ECE Curriculum</td>
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</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>EDUC1201 Arts in Education</td>
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<tr>
<td>BIOL1101 Issues in Biology w/lab</td>
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<td>ENGL1003 Writing About Literature</td>
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<tr>
<td>ACAD1001 First Year Experience</td>
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<td>PHSC1001 Integrated Physical Science</td>
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### Sophomore Year

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<tbody>
<tr>
<td>EDUC2203 Special Needs in the Classroom</td>
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<td>EDUC2500 Practicum in Early Childhood Education</td>
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<tr>
<td>EDUC1001 Behavior and the Young Child</td>
<td>3</td>
<td>ENGL1006 Children's Literature</td>
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<td>ENGL2102 Advanced Composition</td>
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<td>PSYC2806 Educational Psychology</td>
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<td>PSYC1001 Introduction to Psychology</td>
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<td>GOVT1108 American Government</td>
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<td>EDUC3000 Foundations in American Education</td>
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<td>MATH1200 College Algebra</td>
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<td>HIST1308 US History I</td>
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### Junior Year

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<tbody>
<tr>
<td>EDUC3005 Math Pre Practicum</td>
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<td>EDUC3300 Science/Social Studies: Pre Practicum</td>
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<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>EDUC3101 Foundations of Literacy</td>
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<tr>
<td>PSYC2807 Assessment and Evaluation of Learning</td>
<td>3</td>
<td>PSYC3305 Group Counseling or PSYC2300 Adolescent Psychology</td>
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<td>PSYC3100 Cognitive Psychology</td>
<td>3</td>
<td>PSYC4001 Research Methods</td>
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Senior Year

<table>
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<tr>
<th>Fall Semester</th>
<th>Credit Hours</th>
<th>Spring Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC3100 Reading, Writing &amp; Language in ECE</td>
<td>4</td>
<td>EDUC4001 Advanced Practicum in ECE</td>
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<tr>
<td>PSYC3200 Psychology of Family</td>
<td>3</td>
<td>EDUC4002 ECE Seminar</td>
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<td>PSYC3402 Child Psychopathology</td>
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<td>Elective (Non-Western Culture)</td>
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<td>13</td>
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Total Credits: 126

Note: Depending on the student’s career objectives, additional courses may be suggested. These include EDUC2004, ECE Management & Administration and/or EDUC2901, Infant/Toddler Internship.

Academic Programs

Management and Criminal Justice Division

Bachelor of Arts in Design

“Creating Marketable Students”

The Becker College Bachelor of Arts in Design program offers a unique curriculum which features a strong suite of art and design courses within a Management and Business division framework. The program is built upon the classic building blocks of a traditional design education paired with newer, cutting edge components that emphasize electronic business media and the Internet. Our program equips students with a broad range of marketable skills upon graduation.

What sets our program apart from other design programs are our senior Integrated Team Project and Capstone Thesis Project. In the Integrated Team Project, Graphic Design and Interior Design students receive hands-on practical experience by working together as teams with local area clients on real-world projects. Students work closely with their clients to provide graphic design or interior space planning, web site design, and more. The Capstone Project is a semester long thesis project. The students working with design faculty members select a thesis project that includes research and the execution of a large-volume, high quality number of projects created within the students’ area of concentration. In addition, students have the opportunity to complete an internship and work directly with businesses in their particular area of interest. Becker’s Bachelor of Arts in Design students will graduate with a professional portfolio, a necessary tool for beginning a career.

Graphic Design Concentration
The Graphic Design concentration provides students with the visual design and cutting edge computer skills needed to succeed in the growing, field of print graphic design, advertising agency art direction, corporate design or publishing industry design.

First year students start by learning the basics of design and drawing techniques while studying and recognizing the fundamentals of form, texture, and color and utilize these skills in manual applications. The students quickly move to full hands-on computer experience generating electronic designs, illustrations, and digital artworks utilizing the latest software and hardware.

As the students develop as graphic designers they will learn advanced techniques for creating effective brochures, corporate identity programs, print and TV advertising campaigns, pre-press file preparation and print production. In addition, students will also learn other topics such as web design and electronic media applications which are essential to the industry in today’s fast-paced business environment.

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>ARTS1002 Visual Design</td>
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<td>ARTS1004 Art History II</td>
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<td>ARTS1003 Art History I</td>
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<td>ARTS1100 Principles of Drawing</td>
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<td>ARTS1301 Principles of Design</td>
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<td>ENGL1003 Writing about Literature</td>
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<td>MATH1300 Contemporary Topics in</td>
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<td>INFO1001 Technology and Society</td>
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<td>Math</td>
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17 15

**Sophomore Year**

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Junior Year

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<td>COMM3300 Introduction to Web</td>
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<td>GRPH3104 Graphic Design III</td>
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<td>GRPH3502 Electronic Pre-Press</td>
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Senior Year

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<td>ARTS4001 Capstone Project</td>
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<td>GRPH4100 Information Design</td>
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Interior Design Concentration

The Interior Design concentration prepares students for a career in which they will use a combination of talents in aesthetics, space planning and business. They will also have knowledge of design materials such as fabrics, upholstery, slipcovers, window treatments, carpeting, flooring, wall coverings and furniture. Interior design students will learn the use of basic drafting equipment and construct scale drawings. They will gain knowledge of furniture construction techniques and study the history of architecture, interiors, furnishings and accessories throughout the world. Graduates will be well prepared to open their own design business or work as a designer within a larger firm.

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>
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<tbody>
<tr>
<td>ARTS1002 Visual Design</td>
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<td>ARTS1004 Art History II</td>
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**Sophomore Year**

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<td>Introduction to CAD for Interior Design</td>
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<td>ARTS2309</td>
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**Junior Year**

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<td>INDS3601</td>
<td>ID Studio IV/Contract</td>
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**Senior Year**

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<td>Lighting Elective (Art) Elective (Humanities)</td>
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<td>ARTS4500</td>
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<td>Elective (Art)</td>
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**Interactive Entertainment Major**

**Computer Game Design Concentration**
The rapid growth of the game industry has created a high demand for artists and designers who can combine their art background with solid technical know-how in the creation of the next generation of computer games. Becker College’s four year Computer Game Design (CGD) concentration is perfect for those students with an interest in creating and designing electronic games.

The CGD course curriculum offers a foundation of traditional drawing, illustration, and art courses as well as courses in 2D and 3D animation, sound, storytelling and character development with a foundation in digital game design and game technology. The Game Design student also develops skills in scriptwriting, programming, networking, project management and Web-based game content production. Students learn industry-related software such as; 3D Studio Max or equivalent, Director, and a full range of Adobe products.

The Game Design Student will be better prepared for an eventual career in the gaming industry with a well-rounded education. For example, courses in graphic design and drawing will help in the overall game design and interactivity. Courses in history and literature will help in creating the story-line and environment. Courses in algebra, and statistics will help the game designer create intricate polygon-driven games, and psychology and sociology will guide the game designer in game and character creation and development.

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>ARTS1002 Visual Design</td>
<td>3</td>
<td>GAME1002 Introduction to Game Design</td>
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</tr>
<tr>
<td>ARTS1200 The Visual Experience</td>
<td>3</td>
<td>ARTS1100 Principles of Drawing</td>
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</tr>
<tr>
<td>ARTS1301 Principles of Design</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
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<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td>MATH2200 Statistics</td>
<td>3</td>
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<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>INFO1100 Introduction to Programming</td>
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<tr>
<td>MATH1200 College Algebra</td>
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**Sophomore Year**

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<tbody>
<tr>
<td>ARTS2100 Drawing II</td>
<td>3</td>
<td>GAME2300 3D Modeling</td>
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<tr>
<td>ARTS2300 Color Theory</td>
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<td>GAME2400 Storyboarding Animation</td>
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<tr>
<td>INFO1400 Programming in C++</td>
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<td>ARTS2800 Life Drawing</td>
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<td>GAME2200 2D Animation</td>
<td>3</td>
<td>PSYC1001 Introduction to Psychology</td>
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</table>
Elective (Science/Lab) 4  MGMT2200 Principles of Management 3

16  15

Junior Year

**Fall Semester** | **Credit Hours** | **Spring Semester** | **Credit Hours**
---|---|---|---
ARTS3100 Applied Aesthetics | 3 | GAME3500 Computer Illustration for Game Design | 3
GAME3300 Game Production and Prototyping | 3 | GAME3200 Digital Audio / Video | 3
COMM3300 Introduction to Web Design | 3 | GAME3301 3D Animation | 3
GRPH2205 Electronic Illustration | 3 | ENGL2003 Public Speaking | 3
MGMT1000 Introduction to Business | 3 | Elective (Science/lab) | 4

15  16

Senior Year

**Fall Semester** | **Credit Hours** | **Spring Semester** | **Credit Hours**
---|---|---|---
GAME4801 Senior Game Project I | 3 | GAME4802 Game Project II | 3
ARTS4500 Career Internship or Elective | 3 | ARTS4100 Design Portfolio | 3
Elective (Art) | 3 | OPER3001 Production and Operations Management | 3
Elective (Non-Western) | 3 | Elective (Art) | 3
Elective (Humanities) | 3 | Elective (Humanities) | 3
15 | 15

Total Credits: 127

**Computer Game Development & 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 hardware in the creation of the next generation of computer games. Becker College's four year Computer Game Development & Programming (CGD&P) concentration is perfect for those students with an interest in the development and the programming of electronic computer games.

The curriculum is comprehensive and provides the student with real world development and programming skills by offering courses in programming, Java, Active X Technologies, Data
Structures, Artificial Intelligence, C++, 2 and 3 D Dimensional Animations, and Game Prototyping.

The program includes a broadly scoped education that includes courses in language arts, science, mathematics, and social sciences. The game development student will also have a sound background in the development and programming of electronic computer games and computer operating systems, as well as, solid computer programming skills that can be applied to any Information Technology (IT) career.

Courses in history and literature will help in creating the story-line and environment. Courses in algebra, statistics, and calculus will help the game developer create intricate polygon-driven games, and psychology and sociology will guide the game developer in game and character creation and development. Game Development is not strictly a programming major, as the game developer student will take classes in design, illustration and game graphics.

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>ARTS1200 The Visual Experience</td>
<td>3</td>
<td>GAME1002 Introduction to Game Design</td>
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<td>ARTS1100 Principles of Drawing</td>
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<td>ENGL1001 English Composition I</td>
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<td>ENGL1003 Writing about Literature</td>
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<td>MATH2200 Statistics</td>
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<td>MGMT1000 Introduction to Business</td>
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<td>INFO1100 Introduction to Programming</td>
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<td>PSYC1001 Introduction to Psychology</td>
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**Sophomore Year**

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<th>Credit Hours</th>
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<tbody>
<tr>
<td>ARTS2500 Digital Photography</td>
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<td>GAME2400 Storyboarding Animation</td>
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<td>INFO1400 Programming in C++</td>
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<td>ENGL2302 Short Story</td>
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<td>MATH2001 Functions and Pre-Calculus</td>
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<td>INFO2300 Data Structures</td>
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<td>PHYS2001 Physics I Elective (Open)</td>
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<td>MGMT2200 Principles of Management</td>
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<td>GAME2300 3D Modeling</td>
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Junior Year

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<td>GAME2200</td>
<td>2D Animation</td>
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<td>GAME3100</td>
<td>Game Programming I</td>
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Senior Year

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<td>Senior Game Project I</td>
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<td>INFO4400</td>
<td>Active X and Java</td>
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</table>

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, Financial Accounting, Marketing, Management, Human Resources, Hospitality and Tourism, and Sports Management.

Computer Information Systems Concentration

The Computer Information Systems concentration has been designed for students who are not interested in the traditional computer science major that would involve calculus, computer logic gates, compilers, etc.
Instead, this concentration, within the Bachelor of Science in Business Administration degree program, is for students who want to be familiar with computers, software, website design and e-commerce databases.

The concentration includes two options. Those CIS students who do well academically, in the first two years, and are interested in a heavy concentration of computer courses and earning certifications such as A+ and others, will be eligible to use the four open electives for higher-level CIS courses. Examples of these courses are: Certification Solutions, Seminar in MIS, Advanced Web Design, Project Management, Visual Basic, Enhanced A+ Managing and Maintaining Computers, and Java.

Those students who are primarily interested in the BSBA degree with a concentration in CIS, but not a heavy concentration in computers, and are not interested in certifications, will be allowed to use the four open electives for courses across the broad academic spectrum.

In either case, the advisor will guide the course selection process based upon each student’s career objectives.

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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<td>ACCT1001 Accounting Principles I</td>
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<td>INFO2100 Internet</td>
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<td>INFO1001 Technology and Society</td>
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<td>ACAD1001 First Year Experience</td>
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<td>ENVS1002 Environmental Science II or Elective (Science)</td>
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<td>INFO1003 Computer Applications</td>
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<td>ENVS1001 Environmental Science I or Elective (Science)</td>
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<td>ENGL1003 Writing about Literature</td>
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<td>ENGL1001 English Composition I</td>
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<td>ENGL1500 Effective Communications</td>
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**Sophomore Year**

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<td>INFO1400 Programming in C++</td>
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<td>INFO2002 Advanced Spreadsheet and Database</td>
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<td>ECON1001 Microeconomics</td>
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<td>INFO2300 Data Structures</td>
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<td>GRPH2205 Electronic Illustration</td>
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<td>INFO2602 Managing and Maintaining PC’s</td>
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<td>MKTG2104 Marketing</td>
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<td>GRPH2600 Electronic Graphic Design</td>
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<td>PSYC1001 Introduction to</td>
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<td>LGLS2205 Legal Aspects of motion</td>
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Junior Year

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<td>Networking I</td>
<td>3</td>
<td>Technical Aspects of E-Commerce</td>
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<td>COMM3300</td>
<td>3</td>
<td>Open Elective</td>
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<tr>
<td>Introduction to Web Design</td>
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<td>MATH2200</td>
<td>3</td>
<td>Open Elective</td>
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<td>Statistics</td>
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<td>Elective (Marketing/Management)</td>
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<td>MKTG3001</td>
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<td>Elective (Humanities)</td>
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<td>Marketing Management</td>
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<td>Elective (Humanities/Social Science)</td>
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Senior Year

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<tr>
<td>INFO4600</td>
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<td>INFO4505</td>
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<td>Networking II</td>
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<td>MGMT4100</td>
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<td>Customer Service Skills</td>
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<td>Open Elective</td>
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<td>Management Information Systems</td>
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<td>Elective (Non-Western Culture)</td>
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<td>Elective (Humanities/Soc. Sci.)</td>
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<tr>
<td>Total Credits:</td>
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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>
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<tbody>
<tr>
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<td>INFO1001</td>
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Humanities Elective

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**Sophomore Year**

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**Junior Year**

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</thead>
<tbody>
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</table>
Financial Accounting Concentration

The Financial Accounting concentration focuses on the measurement and interpretation of business performance. The student will learn the principles of financial accounting, cost accounting, and federal taxation and will develop skills for computer implementation of information systems and the effective communication of results and recommendations. Upon graduation the student may pursue graduate studies and a CPA or CMA or seek employment in the financial/accounting function of a business firm.

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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<thead>
<tr>
<th>Fall Semester</th>
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<td>ENGL1001</td>
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<td>Microeconomics</td>
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<td>LGLS2205</td>
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<td>Effective Communications</td>
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<td>Federal Taxation I</td>
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<td>MGMT3800</td>
<td>Management Information</td>
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Hospitality and Tourism Management Concentration

Hospitality is an important industry in the country and leads the way in creating new employment opportunities worldwide. Becker’s program will help launch students into the growing American and international field of hospitality and tourism management. The industry offers exciting job opportunities in hotels, resorts, airlines, restaurants, health care facilities, club management, school and college food service facilities and convention centers.

Graduates of this program are prepared to apply knowledge and understanding of the general principles of marketing, accounting, hospitality, legal environment, computer applications and guest services. Students will also be prepared to perform entry-level managerial operations of hospitality goods and services, including problem solving in industry-related issues.

Through the hospitality field experience, exposure to major hotel companies will give the student a network of valuable contacts. Becker students participating in the hospitality field experience program have worked as front office personnel, cashiers, hostesses, reservationists, desk clerks, waitresses and cooks in such operations as Marriott, Ramada Inn and the Sheraton Corporation.

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>
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<td>Hours</td>
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<td>ENGL1001 English Composition I</td>
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<td>ENGL1003 Writing about Literature</td>
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<td>HSTR1001 Introduction to Hospitality and Tourism</td>
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<td>HSTR1100 Travel Geography</td>
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<td>MATH1200 College Algebra</td>
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<td>HSTR1202 Restaurant and Catering Management</td>
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Total Credits: 124
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<th>Fall Semester</th>
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<th>Credit Hours</th>
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<tbody>
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<td>ECON1001 Microeconomics</td>
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<td>HSTR1200 Bar and Beverage Operations</td>
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<td>LGLS2205 Legal Aspects of Business</td>
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<td>MGMT2200 Principles of Management</td>
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<tr>
<td>MKTG2104 Marketing</td>
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<td>PSYC1001 Introduction to Psychology</td>
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**Junior Year**

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<td>ENGL2003 Public Speaking</td>
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<td>MATH3700 Quantitative Methods in Management</td>
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<td>FINA3200 Financial Management</td>
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<td>OPER3001 Production and Operations Management</td>
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<td>Elective (Non-Western Culture)</td>
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**Senior Year**

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<th>Spring Semester</th>
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<tbody>
<tr>
<td>HSTR3001 Cruise and Tour</td>
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<td>MGMT4100 Business Policy</td>
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<td>HSTR4900 Hospitality Field Experience or elective</td>
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<td>MGMT4201 Compensation and Benefits</td>
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<td>MGMT3800 Management Information Systems</td>
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<td>PHIL3001 Ethics</td>
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<td>Total Credits:</td>
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**Human Resources Concentration**
The Human Resource concentration prepares students to manage the firm’s most important asset – people. The focus of this concentration is the selection, training and motivation of people working in new organizational structures that include the “horizontal organization” and self-directed work teams. Along with the core business requirements the student will study the psychology of social systems, group dynamics and the psychology of adjustment. The graduate will have broad career opportunities in both manufacturing and service industries where there is a concern for the effective management of people.

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>
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<th>Spring Semester</th>
<th>Credit Hours</th>
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**Sophomore Year**

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**Junior Year**

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</table>

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

The Marketing concentration prepares students for exciting and challenging careers in marketing. The focus of this concentration is to equip graduates with the skills, knowledge and attitudes necessary for success in today’s fast-paced marketing and sales environment. Course offerings are designed to demonstrate how marketing managers, as decision makers, affect organizational efficiency and effectiveness. Consequently, a major emphasis of the curriculum involves problem identification, analysis and solution. In addition, the program provides students the opportunity to study advertising, sales, retailing, consumer behavior, marketing research and international marketing.

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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<thead>
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<th>Course Title</th>
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<td>English Composition I</td>
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**Sophomore Year**

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**Senior Year**

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</table>
Management Concentration

The purpose of the Management concentration is to prepare individuals to assume leadership roles in business. This involves the skill of setting goals, determining strategy, implementing action plans and measuring results. To accomplish this, the student will study the key issues of marketing a product or service, managing people, managing operations and managing the finance and accounting system. Typically the graduate will pursue a career that involves effectively managing people to accomplish defined business results.

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>ACCT1001 Accounting Principles I</td>
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<td>ACCT1002 Accounting Principles II</td>
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<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>INFO1003 Computer Applications</td>
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<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
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<td>MGMT1000 Introduction to Business</td>
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<td>MATH1200 College Algebra</td>
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<td>ACAD1001 First Year Experience</td>
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<td>PSYC1001 Introduction to Psychology</td>
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17 15

Sophomore Year

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<tr>
<td>INFO2002 Advanced Spreadsheet and Database</td>
<td>3</td>
<td>ECON1002 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON1001 Microeconomics</td>
<td>3</td>
<td>LGLS2205 Legal Aspects of Business</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1500 Effective Communications</td>
<td>3</td>
<td>MGMT2200 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>MGMT2500 Small Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>
Sports Management Concentration

With the recent increase in the amount of people's time spent in leisure activities, a corresponding growth in both private and public sports facilities has occurred. The administration and management of such operations is the focus of the Sports Management program.

The curriculum provides students with the necessary blend of business skills, management techniques, and understanding of human sport and recreation needs. Specific course offerings focus on business activities such as sales and promotion, accounting, budget...
preparation and fund raising and relate these administrative activities to sports facility
management. Practical physical education courses and a career internship experience are
combined with electives chosen with respect to the student’s specific career interest.

Graduates of this program should be able to demonstrate an understanding of business and
management concepts; demonstrate competency in fitness, team sports, individual and
lifetime sports; and enter a wide range of professional sports administration careers in public,
private, profit/non-profit organizations and industries.

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>ACCT1001 Accounting Principles I</td>
<td>3</td>
<td>ACCT1002 Accounting Principles II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>EXSC1000 Sports Skills Instruction</td>
<td>3</td>
<td>ENGL1003 Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>MGMT1000 Introduction to Business</td>
<td>3</td>
<td>MATH1200 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>SPMG2302 Introduction to Sports Management</td>
<td>3</td>
<td>EXSC2202 Emergency Responder</td>
<td>3</td>
</tr>
<tr>
<td>ACAD1001 First Year Experience</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

17

**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>ECON1001 Microeconomics</td>
<td>3</td>
<td>INFO1003 Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>EXSC2203 Personal and Community Health</td>
<td>3</td>
<td>ECON1002 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MATH2200 Statistics</td>
<td>3</td>
<td>EXSC1000 Sports Skills Instruction</td>
<td>3</td>
</tr>
<tr>
<td>MKTG2104 Marketing</td>
<td>3</td>
<td>LGLS2205 Legal Aspects of Business</td>
<td>3</td>
</tr>
<tr>
<td>PSYC1001 Introduction to Psychology</td>
<td>3</td>
<td>MGMT2200 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15</td>
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</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>ENVS1001 Environmental Science I</td>
<td>3</td>
<td>ENVS1002 Environmental Science II</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td>or</td>
<td></td>
</tr>
</tbody>
</table>

15
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.

Policing Option

Working with an advisor, a student may elect to follow the Policing Option in their junior and senior years. This option is defined by courses that enhance the student’s communication,
analytical, and critical thinking skills in ways relevant to a policing career. In addition, the criminal justice internship and the senior year capstone experience can be shaped to meet the needs of students working within the Policing Option.

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>ENFO1101 Homeland, Private &amp; Public Security</td>
<td>3</td>
</tr>
<tr>
<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>JUST1105 Juvenile Justice System &amp; Process</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>GOVT1109 State and Local Government</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>ACAD1001 First Year Experience</td>
<td>2</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>17</td>
<td></td>
<td>15</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>JUST2202 Crisis Intervention in Criminal Justice</td>
<td>3</td>
<td>ENFO2207 Police and the Community</td>
<td>3</td>
</tr>
<tr>
<td>CORR2203 Community Corrections</td>
<td>3</td>
<td>CORR2209 Probation and Parole</td>
<td>3</td>
</tr>
<tr>
<td>ENGL2003 Public Speaking</td>
<td>3</td>
<td>PSYC2105 Social Psychology</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</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td>15</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>ENFO3200 Criminal Procedure and Evidence</td>
<td>3</td>
<td>ENFO3001 Police Administration and Management</td>
<td>3</td>
</tr>
<tr>
<td>HIST3100 American Constitutional History or</td>
<td></td>
<td>MATH2200 Statistics</td>
<td>3</td>
</tr>
<tr>
<td>FORE3100 Criminal Investigation</td>
<td>3</td>
<td>SOCI3100 Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>LGLS3200 Topics in Law and</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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: BIOL1001, BIOL1002, CHEM1001, CHEM1002, FORE2001, FORE2002, PHYS2001, and 

<table>
<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</td>
<td>3</td>
</tr>
<tr>
<td>PHIL3001 Ethics</td>
<td>3</td>
<td>GOVT4100 American Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>PSYC3400 Abnormal Psychology</td>
<td>3</td>
<td>SOCI4001 Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ENGL2102 Advanced Composition or</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (English)</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Non-Western Culture)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td>15</td>
</tr>
<tr>
<td>Total Credits:</td>
<td>124</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
the Science Elective. 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 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>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>BIOL1001 Biology I</td>
<td>4</td>
<td>BIOL1002 Biology II</td>
<td>4</td>
</tr>
<tr>
<td>INFO1001 Technology and Society</td>
<td>3</td>
<td>MATH1200 College Algebra</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>ACAD1001 First Year Experience</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>18</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>LGLS2102 Criminal Law</td>
<td>3</td>
<td>ENGL2003 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>FORE2001 Introduction to Forensics</td>
<td>4</td>
<td>FORE2002 Collection/Preservation of Evidence w/Lab</td>
<td>4</td>
</tr>
<tr>
<td>SOCI2001 Criminology</td>
<td>3</td>
<td>CHEM1002 Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM1001 Chemistry I</td>
<td>4</td>
<td>MATH2200 Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GOVT1108 American Government</td>
<td>3</td>
<td>PSYC2105 Social Psychology</td>
<td>3</td>
</tr>
<tr>
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<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>ENFO3200 Criminal Procedure and Evidence</td>
<td>3</td>
<td>Science Elective (BIOL, CHEM or PHSC)</td>
<td>3 / 4</td>
</tr>
<tr>
<td>PHYS2001 Physics I</td>
<td>4</td>
<td>JUST3900 Criminal Justice Internship</td>
<td>3</td>
</tr>
<tr>
<td>ENGL2102 Advanced Composition</td>
<td>3</td>
<td>ARTS2500 Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>JUST2204 Victimology &amp; Victim Services</td>
<td>3</td>
<td>Computer Elective (INFO1003, 2002 or 2100)</td>
<td>3</td>
</tr>
<tr>
<td>FORE3100 Criminal Investigation</td>
<td>3</td>
<td>Elective (GOVT or</td>
<td>3</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>JUST4001 Research in Criminal Justice</td>
<td>3</td>
<td>JUST4100 Directed Study in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>PHIL3001 Ethics</td>
<td>3</td>
<td>SOCI4001 Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>COMM2505 Digital Image Processing</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Non-Western Culture)</td>
<td>3</td>
<td>Elective (Criminal Justice)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC3400 Abnormal Psychology</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Total Credits:</td>
<td>129/130</td>
</tr>
</tbody>
</table>

Bachelor of Science in Legal Studies

This program is designed to meet the needs of today's society for individuals with increased levels of legal knowledge. Legal employers cite an increasing need for employees with substantial research skills, advanced critical thinking abilities, and sophisticated communication techniques.

Graduates of the program will be able to consider careers in a number of different settings in the legal world. The emerging fields of environmental law, intellectual property law, and the increasing application of law in the banking and real estate industries provide unique opportunities. In addition, the dual concentration of law and liberal arts provides students with the best possible preparation for law school.

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>INFO1001 Technology and Society</td>
<td>3</td>
<td>INFO1003 Computer Applications</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>LGLS1100 Introduction to Law</td>
<td>3</td>
<td>LGLS1103 Real Estate Law</td>
<td>3</td>
</tr>
<tr>
<td>LGLS1207 Contracts and Uniform Commercial Code</td>
<td>3</td>
<td>LGLS2107 Family Law</td>
<td>3</td>
</tr>
<tr>
<td>SOCI1001 Introduction to Sociology</td>
<td>3</td>
<td>Elective (Math)</td>
<td>3</td>
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</tbody>
</table>
ACAD1001 First Year Experience 2

17 15

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>GOVT1108 American Government</td>
<td>3</td>
<td>ENGL2102 Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>LGLS2200 Corporation Law</td>
<td>3</td>
<td>LGLS2105 Estates, Trusts and Estate Administration</td>
<td>3</td>
</tr>
<tr>
<td>LGLS2203 Litigation</td>
<td>3</td>
<td>LGLS2300 Legal Writing Techniques</td>
<td>3</td>
</tr>
<tr>
<td>LGLS2208 Legal Research Techniques</td>
<td>3</td>
<td>LGLS2900 Career Internship or Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>LGLS2600 Computer Applications for the Legal Profession</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
</tbody>
</table>

15 15

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>ACCT1001 Accounting Principles I</td>
<td>3</td>
<td>GOVT3001 Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>LGLS2102 Criminal Law</td>
<td>3</td>
<td>PHIL1001 Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL3001 Ethics</td>
<td>3</td>
<td>Elective (Open)</td>
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</tr>
<tr>
<td>Elective (EN 2000+)</td>
<td>3</td>
<td>Elective (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Science with Lab)</td>
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<td>Elective (Science with Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

16 16

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>ENGL2003 Public Speaking</td>
<td>3</td>
<td>GOVT4100 American Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>HIST3100 American Constitutional History</td>
<td>3</td>
<td>LGLS4100 Directed Legal Study</td>
<td>3</td>
</tr>
<tr>
<td>LGSL3001 Advanced Legal Writing and Analysis</td>
<td>3</td>
<td>Elective (Open)</td>
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</tr>
<tr>
<td>LGLS4001 Advanced Civil Litigation</td>
<td>3</td>
<td>Elective (Open)</td>
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<tr>
<td>Elective (Open)</td>
<td>3</td>
<td>Elective (Non-Western)</td>
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</tbody>
</table>
Culture)

<table>
<thead>
<tr>
<th></th>
<th>15</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Total Credits:</td>
<td>124</td>
<td></td>
</tr>
</tbody>
</table>

**Career Opportunities:**

Upon completion of this major, the student will have the option of choosing to pursue immediate employment as a paralegal or continuing their education in law school.

**Academic Programs**

**Undecided**

Students who may be undecided about their career goals upon entering Becker College may declare for an “Undeclared” major for the first academic year. The suggested curriculum consists of General Education courses which would be relevant to most, if not all, programs.

**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 Freshmen Experience</td>
<td>2</td>
<td>ENGL1003 Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL1001 English Composition I</td>
<td>3</td>
<td>MATH2200 Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH1200 College Algebra</td>
<td>3</td>
<td>INFO1001 Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>Elective (HUMN)</td>
<td>3</td>
<td>Elective (Non-Western Culture)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Social Science)</td>
<td>3</td>
<td>Elective (Open)</td>
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<td>Elective (Open)</td>
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<tr>
<td></td>
<td>17</td>
<td>Total Credits:</td>
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Total Credits: 32
Academic Programs

CENTER FOR ACCELERATED AND PROFESSIONAL STUDIES

The Accelerated Degree Programs are designed to prepare adult students with flexible degree completion options to assist in their preparation for a successful career within a rapidly changing work environment. Courses are generally five to seven weeks in length, and meet one evening per week. Degree options include the Bachelor of Science in Business Administration with a Management Concentration or the Bachelor of Arts in Liberal Studies Leading to Initial Teacher Licensure. For students with less than the required college credits to begin an accelerated degree program, the Pathways option offers a great starting point. A variety of Accelerated General Education Courses are also available to help students obtain the total number of credits required to complete graduation requirements.

Students may apply for admission into the program throughout the year. Contact the Center for Accelerated and Professional Studies at 508-373-9500 to speak to a program representative.

Bachelor of Science in Business Administration

The Accelerated Bachelor of Science degree program in Business Administration with a Management Concentration is highlighted by a core of 16 management courses which are taken in sequential order over the course of 20-22 months. Classes meet for four hours (6:00 – 10:00 PM) one night per week with the expectation that student-led study groups will take place outside of class each week. Class time is spent working on case studies, simulations, team projects and in breakout sessions or discussion groups. The accelerated degree program is designed to help the adult student develop the strategic, managerial, leadership and change management skills essential for today’s dynamic workplace.

To earn the Bachelor of Science degree in Business Administration with a Management Concentration through the Center for Accelerated and Professional Studies, a student must complete 128 credits. A maximum of 72 credits may be transferred into Becker College from other regionally accredited colleges or universities; however, 50 credits must be earned through the required core management courses at Becker College.**

Bachelor of Science in Business Administration Management Specialization-Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT3190</td>
<td>Communications Strategies and Techniques for Managers</td>
<td>4</td>
</tr>
<tr>
<td>MGMT3890</td>
<td>Managing Diversity in the Changing Workplace</td>
<td>3</td>
</tr>
<tr>
<td>MGMT3000</td>
<td>Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT4000</td>
<td>Business Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>MGMT3290</td>
<td>Human Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MGMT4190</td>
<td>Statistical Techniques for Managers</td>
<td>3</td>
</tr>
<tr>
<td>MGMT3300</td>
<td>Contemporary Economics</td>
<td>3</td>
</tr>
<tr>
<td>MGMT4105</td>
<td>Project Management: Tools and Techniques</td>
<td>4</td>
</tr>
</tbody>
</table>
General Education Distribution Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>9</td>
</tr>
<tr>
<td>Social Science</td>
<td>9</td>
</tr>
<tr>
<td>Non-Western Culture</td>
<td>3</td>
</tr>
<tr>
<td>Unrestricted/General Electives</td>
<td>33</td>
</tr>
</tbody>
</table>

Total: 72

Requirements:

Entry requirements into the Accelerated Bachelor of Science in Business Administration degree program with a Management Concentration include:

- A minimum of 24 college credits prior to admission into a cohort.*
- A minimum of 2-3 years of full-time work experience.

* Students who have less than the required 24 credits needed to enter the core program are eligible to earn their prerequisite credits through entrance into the Becker College Pathways program. This program when completed in its entirety, will earn the full 24 credits needed for entry in the core program. Students can take all or any of the scheduled Pathways courses in order to elevate their number of earned college credits to 24. These courses are offered in the accelerated format.

** Options that are available for earning credits beyond the core program requirements include completion of additional coursework either at Becker College or at other accredited colleges, CLEP exams, and self-designed study. A professional portfolio may allow post secondary school training, and prior learning to potentially translate into credits.

Accelerated General Education/Pathways for Bachelor of Science in Business

Accelerated General Education/Pathways is designed to give adults a solid foundation to succeed in the Accelerated Bachelor’s degree program. Students who have less than 24 credits for entry into the Accelerated Core Management Program can earn as many as 24 credits in 12 months for entry into the program. Once you have enrolled in Pathways, an
The academic advisor will work closely with you to develop a plan to meet your degree requirements.

Other students who are already in the Accelerated Core Management Program can take any of the scheduled *Pathways* or other general education courses to earn credits toward their degrees.

**Pathways Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL1008</td>
<td>Thinking, Writing, and Learning (10 weeks)</td>
<td>6</td>
<td>HUMN2405</td>
</tr>
<tr>
<td>MATH1301</td>
<td>Contemporary Mathematics for Managers</td>
<td>3</td>
<td>ENVS1001</td>
</tr>
<tr>
<td>ENGL1500</td>
<td>Effective Communications</td>
<td>3</td>
<td>HIST2306</td>
</tr>
<tr>
<td>ENGL2405</td>
<td>Leadership and Literature</td>
<td>3</td>
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</tbody>
</table>

| Total Credits | 24 |

**Accelerated General Education Course Selection**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL1101</td>
<td>Issues in Biology</td>
<td>4</td>
<td>MGMT2505</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Small Business Entrepreneurship**</td>
</tr>
<tr>
<td>INFO1002</td>
<td>Computer Literacy</td>
<td>3</td>
<td>MGMT3705</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Business Ethics and Social Responsibility**</td>
</tr>
<tr>
<td>ENVS1002</td>
<td>Environmental Science II</td>
<td>3</td>
<td>MGMT2300</td>
</tr>
<tr>
<td>ENGL1004</td>
<td>Essentials of College Writing</td>
<td>3</td>
<td>MGMT4105</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Project Management: Tools and Techniques**</td>
</tr>
<tr>
<td>ENGL1006</td>
<td>Children’s Literature</td>
<td>3</td>
<td>PHSC1001</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Integrated Physical Science</td>
</tr>
<tr>
<td>ENGL1003</td>
<td>Writing about Literature</td>
<td>3</td>
<td>PHIL1001</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>HUMN2405</td>
<td>Religions of the World**</td>
<td>3</td>
<td>PSYC1001</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>HUMN3100</td>
<td>Intercultural Communications</td>
<td>3</td>
<td>PSYC1002</td>
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<td></td>
<td></td>
<td></td>
<td>Developmental Child Psychology</td>
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<tr>
<td>EXSC2100</td>
<td>Nutrition**</td>
<td>3</td>
<td>PSYC2205</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A Place Called Home</td>
</tr>
<tr>
<td>LGLS3292</td>
<td>Conflict Resolution**</td>
<td>3</td>
<td>SOCI1001</td>
</tr>
<tr>
<td>LGLS3205</td>
<td>Business Law**</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH1200</td>
<td>College Algebra</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**On-line delivery available**
Bachelor of Arts in Liberal Arts – Elementary Education Concentration
(Leading To Initial Teacher Licensure in Elementary Education)

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 can continue working while earning their degree. Small classes taught by skilled Becker faculty and working professionals create the best environment for academic and professional learning.

It is required that after students successfully complete 30 credits, they must pass the Communications and Literacy section of the Massachusetts Test for Education Licensure to continue taking education courses.

Elementary Education (Grades 1-6)
(Licensure Program: Massachusetts Department of Education)

The licensure program in Elementary Education consists of a liberal studies major (66 credits and 6 foundation credits) combined with appropriate education core courses and a required supervised practicum in an elementary school classroom. This accelerated licensure program has received preliminary approval by the Massachusetts Department of Education.

Liberal Arts Distribution Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS1003</td>
<td>Art History I</td>
<td>3</td>
</tr>
<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>ENGL2003</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>ENGL2102</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL3001</td>
<td>American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL Elective (2000+)</td>
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</tr>
<tr>
<td>ENGL Elective (3000+)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST1308</td>
<td>US History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST1309</td>
<td>US History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST1401</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST1402</td>
<td>World History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST1300</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>GOVT1108</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>SOCI1001</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI2400</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>INFO1001</td>
<td>Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>MATH1200</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH2200</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL1001</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Non-Western Culture Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST1308</td>
<td>US History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST1309</td>
<td>US History II</td>
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<tr>
<td>HIST1401</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>66</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accelerated Professional Preparation Course Requirements for Elementary Education (grades 1-6)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC3105</td>
<td>Introduction to the</td>
<td>3</td>
</tr>
<tr>
<td>EDUC3000</td>
<td>Foundations in American</td>
<td>3</td>
</tr>
</tbody>
</table>
**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 section 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 Education.

**Practicum**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC4201 Elementary Education Practicum</td>
</tr>
<tr>
<td>EDUC4202 Elementary Education Seminar</td>
</tr>
</tbody>
</table>
Course Descriptions

ACAD1001 First Year Experience 2 cr.
The focus of this course is on ways to support students' transition to college-level learning and to enhance connections between and among students and faculty. Student behaviors and attitudes that are most consistently identified with achieving success in college will be addressed.

ACCT1001 Accounting Principles I 3 cr.
Introduces the nature and purpose of accounting in our economy. The focus is on the fundamental steps in the accounting cycle using manual and computer applications. Upon completion, students should be able to read and interpret financial statements, and apply basic principles and procedures for statement preparation.

ACCT1002 Accounting Principles II 3 cr.
Focuses on a specific area of accounting and applicable principles and procedures using manual and computer applications. Students will study partnership accounting, accounting for corporations, accounting for fixed assets, accounting systems and controls, accounting for merchandise, and accounting for intangible assets. Prerequisite: ACCT1001.

ACCT2102 Intermediate Accounting I 3 cr.
Gives the student an understanding of the theoretical foundations of accounting using manual and computer applications. Topics include temporary investments, cash, receivables, inventories, fixed assets, marketable securities and current liabilities. Prerequisite: ACCT1002.

ACCT2103 Intermediate Accounting II 3 cr.
A continuation of ACCT2102 Intermediate Accounting I, focusing on land, buildings, and equipment; current and long-term liabilities; the stockholders' equity; and the statement of cash flow. Prerequisite: ACCT2102.

ACCT2900 Career Internship 3 cr.
ACCT2909 Cooperative Education for Accounting 3 cr.
Places students in off-campus work experiences, which may include a bank, accounting firm, or insurance office. A minimum of 144 hours is required. Open to sophomores either summer, fall, or spring semester. Prerequisite: 2.5 CGPA.

ACCT3100 Advanced Accounting 3 cr.
Presents the theory and problems related to partnership formation, distribution of income and losses, admission of new partners and partnership liquidation. Also includes the examination of corporate consolidation using the purchase and pooling methods and the consolidations of financial statements of parent and subsidiary companies of both domestic and foreign operations. Prerequisite: ACCT2103.

ACCT3200 Cost Accounting 3 cr.
Examines the principles involved in cost of a manufacturing company. Techniques for job order, process costing, standard costing and control cost procedures will be used to solve business problems. The course will culminate with capital budget decision making. Prerequisite: ACCT2103.
ACCT4100 Accounting Research 3 cr.
A culmination course using case analysis of business operations requiring the use of documented support of an accounting opinion based on an examination of accounting literature such as federal and state laws and regulations, auditing standards, GAAP, industry guides and other authoritative literature. Prerequisite: ACCT2103.

ACCT4200 Federal Taxation I 3 cr.
A broad examination of state and federal income tax laws and regulations. Includes the determination of taxable income, allowable deductions, gains and losses of individuals, partnerships and corporations with an emphasis on tax planning. Prerequisite: ACCT2103.

ACCT4201 Federal Taxation II 3 cr.
An investigation of the Internal Revenue Code provisions applicable to partnership formation, operation, reorganization, and liquidation; and an investigation of the provisions applicable to small businesses, S corporation, and consolidated corporation in relation to formation, accumulated earnings and profits and liquidation. Prerequisite: ACCT2103.

ACCT4300 Auditing 3 cr.
Gives an understanding of the auditing process and the working papers necessary as support documentation for the examination of business records in accordance with auditing standards as expressed in the public accounting audit opinion. Prerequisite: ACCT2103.

ACCT4500 Issues of International Accounting 3 cr.
An analysis of international economies dealing with foreign trade investments and the impact on economic growth, including discussions of the international monetary systems as they relate to contracts, treaties, and court decisions recognized by international and constitutional law. Prerequisite: ACCT2103.

ACCT4501 Government and Non-Profit Accounting 3 cr.
Principles of practices of governmental accounting and a study of selected accounting systems for non-profit entities. Prerequisite: ACCT2103.

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.). Offered in fall only.

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.

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. Pre-requisite ANSC1005 - Kennel Operation and Design

**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. Offered in spring only.

**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. Offered in spring only.

**ANSC1601 Introduction to Equine Handling and Management** (3 credits) freshmen year. Introduction to basic horsemanship. Students learn and practice barn care skills such as handling of horses, assessment of basic horse behavior, feeding horses, cleaning of stalls, and turn-out. Students are required to participate in a rotation through the barn during morning and afternoon chores.

**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. Pre-requisites: ANSC1005, ANSC1010, BIOL1002 or concurrent. Usually offered in the fall.

**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.

**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. Open to sophomore Animal Care students. Prerequisite: Sophomore status in the Animal Care program; ANSC1005, ANSC1010, ANSC1201.

**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. Open to sophomore Animal Care students. Prerequisite: ANSC1003 or ANSC1400. Offered in spring only.

**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. Offered in fall only.

**ANSC2403 Equine Nutrition 3 cr.**
A thorough discussion of the nutritional needs of all stages of equine life from neonate to geriatric. This includes an understanding of the digestive anatomy and physiology, discussion of the various nutrients, selection of feed formulations specific to horses. In addition, the nutritional requirements of the broodmare, stallion, foal, and all stages of working horses are discussed. Also included are ration balancing and feed quality assessment, as well as the diseases associated with poor nutrition. Students are required to formulate a specific feeding regimen. Pre-requisites: ANSC1601 or BIOL1005/1006 or ANSC1400.

**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: ANSC1400, BIOL1001/1002. Offered in spring only.

**ANSC2701 Equine Anatomy and Physiology 3 cr.**
A discussion of the anatomy and physiology of the horse with a concentration on the musculoskeletal system and conformation, the gastrointestinal system, and the respiratory system.

**ANSC2900 Career Internship 3 cr.**
Students perform a minimum of 150 hours of work in an animal care facility of their choosing. With the assistance of the internship 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 internship 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. Prerequisite: Sophomore status in the Animal Care program, cumulative GPA 2.0. Offered fall and spring.

**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, rabbits, dogs and cats. 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.

**ANSC3402 Lab Animal Technical Methods II - 4 cr.**
This is a continuation of ANSC 3401 and concentrates on Hamsters, Gerbils, Guinea Pigs, and other non-traditional small research animals. 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.

**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: ANSC1601, ANSC2701, or permission of the instructor.

**ANSC4401 Lab Animal Technical Methods III – 4 cr.**
This course is a continuation of ANSC3401 and continues to focus on the techniques described in ANSC3401 and 3402 with a focus on large animals. The species covered include goats, pigs and sheep. Maintenance of research parameters in non-traditional laboratories is addressed. Three hours lecture and one 2 hour laboratory session per week with mandatory husbandry rotations. Most of these laboratory sessions will be held off-campus. Prerequisite ANSC3402.

**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. Prerequisites ANSC3402.

**ANSC4900 Preceptorship 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 Internship 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.

**ANSC4901 Preceptorship 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. Pre-requisite: ANSC4401 Laboratory Animal Technical Methods III; ANSC4900 (or concurrent).

**ANTH3200 Cultural Anthropology 3 cr.**
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.

**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.

**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.

**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.

**ARTS1100 Principles of Drawing 3 cr.**
Principles of Drawing is an introductory studio course that allows students to learn 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 dimension by using shading and perspective. The students will also learn convex and concave objects and isometric drawing. Students will develop the skills of hands-on observational drawing as well as create constructive concepts that deal with simple volumes in space.

**ARTS1200 Art: the Visual Experience 3 cr.**
A lecture/workshop course devoted to expanding visual receptivity for a deep engagement with art, based on the idea that looking at art is just as artistic and creative as producing art. All visual categories (size, shape, color, line, light, depth, volume, etc.) are applied to art prints, magazine photography, and our real environment. Excellent for anyone involved in painting, photography, theatre-design, crafts, or commercial art, as well as for the "non-artist".

**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 individual work at home, students experiment with twelve drawing systems. Each system is related to its stylistic origin and historic context through reading, class lectures, and slide examples.

**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.

**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.

**ARTS2100 Drawing II 3 cr.**
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.

**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.

**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.

**ARTS2500 Digital Photography 3 cr.**
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.

**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 in action and in motion. Prerequisite: ARTS1100.

**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. Prerequisites: ARTS1002 or ARTS1200.

**ARTS4000 Integrated Team Project 3 cr.**
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.

**ARTS4001 Capstone Project 3 cr.**
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.

**ARTS4100 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: 90 credits of completed design course work.

**ARTS4500 Career Internship 3 cr.**
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.

**BIOL1001 Biology I 4 cr.**
This is an introductory course that covers the basic biological concepts and widens its scope to include many of the current advancements in the field. Emphasis is placed on the practical application of the material presented. The topics to be covered include chemistry, cell biology, genetics and the evolutionary process. The required lab experience is designed to complement the lecture material and expose students to hands-on activities.

**BIOL1002 Biology II 4 cr.**
This course will expand on the foundation developed in BIOL1001. The material covered will deal with the diversity and classification of living organisms, including selected members of all of the kingdoms. In order to supply the student with a working knowledge of the variations of anatomy and physiology as well as development, the systems of animals and humans will be studied. The course will culminate by focusing on the interdependency of life at the most complex level of biological organization — the ecosystem. Principles covered in lecture will be discussed and applied in the required laboratory.
BIOL1005 Anatomy and Physiology of Domestic Animals I 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.

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.

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.

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. Offered in fall only. 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.

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 neuromuscular systems.

BIOL2504 Anatomy and Physiology II 4 cr.
A continuation of BIOL2503, examining the 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.

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. Prerequisites: CHEM3003.

**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, regulation, induction, 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.

**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.

**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.

**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.

**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.

**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.

**BIOL4901 Preceptorship (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.

**BIOL4902 Preceptorship Option I (Internship) 6 cr.**
Requires a minimum of 280 hours preceptorship.

**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.

**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. Prerequisite: A grade of D or better in CHEM1001. A grade of C or better is required for graduation in the Veterinary Technology program.

**CHEM1003 Introduction to Chemistry 4 cr.**
A survey course that introduces the basic principles of inorganic, organic, and biological chemistry while emphasizing material unique to health-related studies. Topics include math for chemistry, energy, atoms, bonding, equations, gases, solutions, acids and bases, hydrocarbon structure and chemistry, and important functional groups. The important biological molecules, carbohydrates, lipids, and proteins are investigated. The laboratory will complement and expand on lecture topics. Laboratory safety will be emphasized.

**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.

**CHEM2101 Organic Chemistry II 4 cr.**
This course is a continuation of CHEM2100 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: CHEM2100. A grade of C or better is required for graduation in the Veterinary Science Programs.

**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.

**COMM2505 Digital Image Processing 3 cr.**
In this course students will examine the results of acquiring images by means of a digital camera, scanner, or processed images created as illustrations within various software applications. The main focus will not be in the area of image acquisition but rather in process which follows. The students using a scanner and Adobe Photoshop, will learn how to retouch, color correct, and manipulate and apply special effects and filters to their digital images. In addition, Adobe ImageReady will be used to prepare images for web presentation, and Adobe Illustrator and Quark XPress will be used to provide a working knowledge of the various software standards and their individual file output requirements. Prerequisites: GRPH2205.

**COMM3300 Introduction to Web Design 3 cr.**
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. Topics include the integration of text, image, animation, sound, and interactivity into a web page. Through a combination of lecture, hands-on experience, in-class critiques, and project work, students will design a variety of home pages and one complete Web site (Final project). The course will focus on the "what and why's," more than the "how" of technical mechanics. Prerequisites: COMM2505.

**COMM3305 Advanced Web Page Design 3 cr.**
This course is a continuation of COMM3300 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. Prerequisites: COMM3300.

**COMM3503 Web Design / Multimedia 3 cr.**
This course focuses on the creative uses of multimedia and examines the interactivity of utilizing digital photography, digital sound and video to create exciting on-line multimedia movies. The class begins with an overview of the basics of Flash and the basic principles of animation and dives right into creating animations using text, graphics video, and audio.
Among the topics covered are working with multiple timelines and movie clips and creating complex interactivity with actions. Prerequisite: COMM3300. Co requisite: COMM3305.

**CORR2203 Community Corrections 3 cr.**
Corrections is a forever growing and changing aspect of our criminal justice system. Corrections no longer involves a sole interest in our prison systems. Corrections today involves a collaboration between the courts, prisons and community-based alternatives. It is now believed the most effective forms of rehabilitation happen in the community not behind prison walls. It is in this class that students will explore the penal system and the many alternatives now being used to treat and punish offenders.

**CORR2209 Probation and Parole 3 cr.**
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.

**ECON1001 Microeconomics 3 cr.**
The organization and functions of the American economic system, including a description and analysis of major economic institutions and a discussion of major economic policies in such fields as consumption, production, price determination, costs, and the labor movement.

**ECON1002 Macroeconomics 3 cr.**
A continuation of ECON1001, concerned with the modern concept of aggregate economics, national income analysis, fiscal policy, money and banking, and monetary policy. Emphasis centers on the theoretical approach and possible solutions to the major economic problems of the day: unemployment, inflation, stagflation, and monetary instability. Prerequisite: ECON1001.

**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.

**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.

**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.

**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. Prerequisite: PSYC1002 or permission of instructor.

**EDUC2004 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.

**EDUC2203 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 must be taken concurrently or prior to enrolling in this course.

**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 DOE 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, 2.7 GPA in all education courses.

A grade of B or better is required for entry into the B.A. Psychology (ECE concentration) program.

**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.

**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.

**EDUC3005 Math and Science: Curriculum and Instruction in ECE 4 cr.**
A study of children’s developing understanding of numbers, mathematics concepts and skills, and scientific thinking. The National Council of Teachers of Mathematics Standards provides a framework for this course. Includes a 40-hour prepracticum experience in a K-2 classroom. This course is open only to students who have been accepted into the Early Childhood Education concentration. A grade of B or better is required prior to student teaching (EDUC4001/4002).

**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 placed 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 been accepted into the Early Childhood Education concentration. A grade of B or better is required prior to student teaching (EDUC4001/4002).

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 been accepted into the Early Childhood Education or Elementary Education concentrations.

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. Prerequisites: EDUC3000, EDUC2203, PSYC2806, PSYC2807, ENGL1006. A grade of B or better is required before enrolling in EDUC4201 & EDUC4202.

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.

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 40-hour prepracticum experience attached to this course. This course is open only to students who have been accepted into the Elementary Education concentration. A grade of B or better is required before enrolling in EDUC4001/4002.

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 prepracticum experience attached to this course. This course is open only to students who have been accepted into the Elementary Education concentration. A grade of B or better is required before enrolling in EDUC4001/4002.

**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 EDUC3005 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.

**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 EDUC3005 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.

**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.

**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.

**ENFO1101 Homeland, Private & Public Security 3 cr.**
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.
ENFO2207 Police and the Community 3 cr.
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.

ENFO3001 Police Administration and Management 3 cr.
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: ENFO2207.

ENFO3200 Criminal Procedure and Evidence 3 cr.
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.

ENGF1000 Foundations of Writing 6 cr.
This intensive developmental writing/reading course prepares the student for college level
writing. Basic elements include all of those found in ENGF1001 at a starting point
appropriate for the level of student placing into this course.

ENGF1001 Foundations of Writing 3 cr.
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.

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/73 or better in ENGF1001.

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
arguementative and persuasive writing. Prerequisite: C/73 or better in ENGL1001. Transfer
students must have successfully completed a composition course comparable to ENGL1001
with a C/73 or better.

ENGL1004 Essentials of College Writing 3 cr.
This course focuses on effective and correct use of standard edited American English in
expository writing. Class meetings and assignments emphasize the principles of rhetoric in
expository prose, methods of organization and development, critical reading, and review of
grammar, vocabulary, and mechanics. Library research and documentation strategies are
included.
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.

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. The course provides students with the basic skills necessary to succeed in the Accelerated Bachelor's degree program.

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.

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.

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.

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.

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.

ENGL2405 Leadership and Literature 3 cr.
In this course students will learn how to closely read several forms of literature including fiction, non-fiction and essay. Using written pieces as well as movies, students will explore different levels of meaning in these pieces of literature, all focused on the theme of leadership. The course will demonstrate how authors communicate and construct meaning in their stories just as leaders do in their lives. Examples of leadership including ordinary, innovation and visionary types will be included to increase students’ understanding of the multiple ways to influence.
ENGL2500 Mythology 3 cr.
Myths and legends of Ancient Greece and Rome which have become a part of the classical tradition in Europe and America. Prerequisites: ENGL1001 and ENGL1003

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.

ENGL3001 American Literature I 3 cr.
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, ENGL1003, and one 2000-level literature course or permission of the instructor.

ENGL3002 American Literature II 3 cr.
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, ENGL1003, and one 2000-level literature course or permission of the instructor.

ENGL3003 English Literature I 3 cr.
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, ENGL1003, and one 2000-level literature course or permission of the instructor.

ENGL3004 English Literature II 3 cr.
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, ENGL1003, and one 2000-level literature course or permission of the instructor.

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, ENGL1003, and one 2000-level literature-based course or permission of the instructor.

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, ENGL1003, and one 2000-level literature-based course or permission of the instructor.

**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, ENGL1003, and one 2000-level literature-based course or permission of the instructor.

**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, ENGL1003, and one 2000-level literature-based course or permission of the instructor.

**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.

**ENVS1002 Environmental Science II 4 cr.**
A continuation of ENVS1001.

**EQST1001 Foundations in Riding I 3 cr.**
This course is designed to introduce the student to the basic concepts involved with horsemanship. 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. An additional fee of $650 will be charged for this course.

**EQST1002 Foundations in Riding II 3 cr.**
This course is a continuation of EQST1001 with further direction toward riding skills and the development of seat, balance and the feel of the horse. Development of good riding techniques is important before the student can go on to learn how to instruct. If the student tested out of Foundations in Riding I they 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). Pre-requisite: EQST1001 or permission of instructor. An additional fee of $650 will be charged for this course.

**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). Pre-requisite: EQST1002. An additional fee of $650 will be charged for this course.

**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). Pre-requisite: EQST2001. An additional fee of $650 will be charged for this course.

**EQST2200 Equine Industry and the Law 3 cr.**
This course discusses the impact of local, federal and, where appropriate, international laws as they relate to the equine industry, including veterinary care, equine transit and drug laws. Other topics may include humane care of animals and the differences between regulations and laws.

**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). Pre-requisite: EQST2002. An additional fee of $650 will be charged for this course.

**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. Pre-requisites: ANSC2202

**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 include drug testing of horses, show and competition requirements for horse and rider, vaccination and transport paperwork. Pre-requisites: EQST2200.

**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). Pre-requisites: EQST3001, EQST3100. An additional fee of $650 will be charged for this course.

**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. Pre-requisites: BIOL1001/1002, ANSC2403.

**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). Pre-requisite: EQST3200. An additional fee of $650 will be charged for this course.

EQST4500 Equine Facilities Management 3 cr.
This course is designed to be a follow-up to MGMT2801. 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. Pre-requisite: MGMT2801.

EQST4900 Equine Studies Internship 6 cr.
This course incorporates on-site training in the student’s area of interest. The student will be required to fulfill 400 hours at a site chosen with the Internship 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. Pre-requisite: Senior status in the Equine Studies Program or advisor’s and Director’s approval.

EQST4908 Equine Studies Internship (option 2) 3 cr.
Same as EQST4900, but requires only 200 hr and is awarded 3 cr. Student will be required to choose an additional 3 credit open elective. This option is only available in the Basic Science concentration. Pre-requisite: Senior status in the Equine Studies Program or advisor’s and Director’s approval.

EXSC1000 Sports Skills Instruction
The student is prepared for future instruction in team and individual sports skills through the following one credit courses. Students in the health and fitness major may take no more than 3 of these courses to meet graduation requirements (open elective).

EXSC1001 Conditioning
EXSC1002 Pedagogy
EXSC1003 Gymnastics
EXSC1004 Field Hockey
EXSC1005 Soccer
EXSC1006 Volleyball
EXSC1008 Aerobics
EXSC1009 Project Adventure
EXSC1101 Archery
EXSC1102 Badminton
EXSC1103 Bowling
EXSC1105 Racquetball
EXSC1106 Tennis

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.

**EXSC1500 Stress Management 3 cr.**
The concept, symptoms, sources and related disorders of stress and tension. The holistic approach to program management is emphasized. Techniques 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.

**EXSC2202 Emergency Responder 3 cr.**
While earning American Red Cross certification as an emergency responder, the student will learn how to treat symptoms of illness and injuries. Students will explore safety factors related to their major interest in physical education and recreation. Practical use of first aid skills is required. The methods and techniques used in the instruction of personal and community health will be incorporated into the course. Areas of health education stressed will be those which are taught most often in our educational system today (drugs, alcohol, smoking, and family living).

**EXSC2203 Personal and Community Health 3 cr.**
The methods and techniques used in the instruction of personal and community health. Areas of health education stressed will be those which are taught most often in our educational system today (drugs, alcohol, smoking, and family living).

**EXSC2204 Fitness for Life 3 cr.**
This course introduces the student to the many components of physical fitness and wellness. Each student has 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 own healthy lifestyle program. Lecture topics include; health promotion and disease prevention, physical fitness, adaptation to the aging process, nutrition, weight management, stress reduction, personal safety, and substance abuse control.

**EXSC2205 Human Structure and Function 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.

**EXSC2705 Advanced Personal Trainer (APT) Certification 4 cr.**
The APT certification course is specifically designed to prepare students who seek the nationally recognized personal trainer certification. The course provides students with an opportunity to take the industry standard certification exam, although optional, from the National Council of Strength and Fitness (NCSF). In order to earn the title of NCSF-APT, the student needs to successfully complete this course with a grade of B- or better, pass a
comprehensive National Certification Board Exam (minimum passing score of 70%), and pay an additional $150 registration fee for taking certification exam directly to the NCSF within 3 weeks of the start of the course. Prerequisites: EXSC2205 or approval of the program director.

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. Each student gains experience in keeping his or her own food record, and in using computer software to analyze the nutrient content of his or her 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.

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.

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.

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.

EXSC3300 Exercise Physiology 4 cr.
Through classroom lecture and laboratory activities, this course provides students with an opportunity to discuss, observe and become aware of the acute and chronic responses of the human body to physical activity. Mechanisms of neuromuscular, metabolic, cardiovascular, and respiratory control and adaptation during and following activity will be studied. The environmental influences on human performance and health related aspects of exercise are also discussed. Prerequisites: BIOL2503 and BIOL2504.

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.
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.

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. The course provides students with theoretical knowledge of the physiological, biomechanical, psychological, and other scientific and related principles to the design of safe and effective strength and conditioning programs for sports. Testing, evaluation, and exercise techniques in the strength and conditioning activities used for a variety of sports are also studied. Prerequisite: EXSC2705, EXSC3300.

EXSC4800 Assessment & Prescription in Health & Fitness 4 cr.
Through laboratory testing activities and class projects, this course covers thoroughly the process of assessment and prescription in health and fitness. The emphases are on preliminary health screen, assessment of cardiorespiratory fitness (EKG stress testing), analysis of body composition, and measurement of joint (angles) flexibility. The principles and methodologies of developing individualized exercise programs to improve cardiorespiratory fitness, muscular fitness, and weight management are also covered. Prerequisite: EXSC2705, EXSC3300

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 are made for the student to work and function within a hospital cardiac rehabilitation, wellness facilities, corporate and commercial fitness facilities, community health service program, or work with certified strength and conditioning coach in varied athletic teams. The field experience is paired with a weekly (or biweekly) seminar to provide students with an opportunity to discuss and share their experiences. A minimum of 288 hours of field experience is required. Prerequisite: approval of the program director.

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.

FINA3200 Financial Management 3 cr.
Provides an understanding of finance function 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. Prerequisites: MGMT1000 and ACCT1001.

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.
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.

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.

GAME1002 Introduction to Game Design 3 cr.
This course serves to introduce the various aspects of comprehensive 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 pre-production including game conceptualization, story development, and interface, character, and soundtrack design. The course will dissect the roles of programmers, designers, artists, and writers, as well as provide an overview of all software, hardware, and programming languages appropriate for the various game genres such as action, role-playing, adventure, and simulation.

GAME2200 2D Animation 3 cr.
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. Students will learn how to create computer based vector graphics for use within digital animation software such as Macromedia Flash, as well as the techniques necessary for production of advanced 2D animation content for use in multimedia CD-ROMs, game development, and online titles. Prerequisite: GAME2400.

GAME2300 3D Modeling 3 cr.
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.

GAME2400 Storyboarding Animation 3 cr.
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. Prerequisites: ARTS1100.
GAME3100 Game Programming I 3 cr.
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. Prerequisites: INFO1400, INFO2300

GAME3102 Game Programming II 3 cr.
This course focuses on the subject of game programming using cross-platform game libraries called to provide a uniform interface for sound effects, music, and device input. Students will use open source multi-platform, tools and game libraries, such as those available in “Allegro” 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: GAME3100.

GAME3200 Digital Audio and Video 3 cr.
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. Prerequisites: GAME2400

GAME3300 Game Production and Prototyping 3 cr.
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. Prerequisites: GAME2400, INFO1400, GAME2300.

GAME3301 3D Animation 3 cr.
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. Prerequisites: GAME2300.

GAME3500 Computer Illustration for Game Design 3 cr.
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. Prerequisites: ARTS1100, ARTS2100 or ARTS2500.

GAME4600 Operating System Components 3 cr.
This course will focus on object oriented program technologies and tools that enable multi-player games that are Operating System specific. Emphasis will be placed on Application Program Interfaces (API) for creating and managing graphic images and multimedia effects in OS specific applications. Students will use such APIs as the DirectX Software Development Kit to create and integrate graphic images, overlays, sprites, and other game elements, including sound. Prerequisites: GAME3100, GAME3102.

GAME4801 Senior Game Project I 3 cr.
This senior-level seminar is flexible in both format and content due to the every advancing technology within the field of game design and represents the culmination of the student's Bachelor of the 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: GAME3300, GAME2200, GAME2300 and 90 credits of completed design coursework.

GAME4802 Game Project II 3 cr.
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: completion of GAME4801.

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.

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.

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.
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.

GRPH2104 Graphic Design I 3 cr.
The Graphic Design core sequence consists of three 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.

GRPH2105 Graphic Design II 3 cr.
Graphic Design II is a continuation of GRPH2104 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 Quark XPress. The student will learn how digital formats take us away from the traditional tools of the past and will explore digital pagination. Problem-solving exercises and the understanding of exactly how to communicate ideas graphically will be the focus of this course. Prerequisite: GRPH2104.

GRPH2205 Electronic Illustration 3 cr.
In Electronic Illustration the student will explore the software standards of Adobe Illustrator, Adobe Photoshop and Quark XPress on the Mac, as well as learn different techniques available in the creation and preparation for printing and publishing of finished illustrations. Instruction will cover the basic drawing tools in both Adobe Illustrator and Adobe Photoshop and will introduce Quark XPress as a typography and as an output tool. Students will learn the similarities and differences between Adobe Illustrator and Adobe Photoshop as illustration tools as well as for their ability to aid in the design process of logos, brochures, and flyers. 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.

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.

GRPH3104 Graphic Design III 3 cr.
This advanced study course is a continuation of Graphic Design II and concentrates on the
study and relationship of concept and design and their application to more complex projects. The process of design problem solving from critical thinking and research to design roughs and final file preparation will be emphasized. Sound knowledge of: Quark XPress, Adobe Illustrator, and Adobe Photoshop is required. Prerequisite: GRPH2104, GRPH2105.

**GRPH3400 Typography 3 cr.**
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 the MAC and programs such as Adobe Illustrator, Adobe Photoshop, and QuarkXPress. Prerequisite: GRPH2205.

**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.

**GRPH3700 Advertising Design 3 cr.**
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: GRPH2600, GRPH3104.

**GRPH3702 Advertising Design II 3cr.**
This advanced course will continue to develop the basic skills learned in GRPH3700 Advertising Design I. Emphasis will be placed on individual project research, creative interpretation, conceptual development, and final project production. The student will also learn TV storyboarding as he/she designs TV campaigns as part of the overall advertising mix. Prerequisite: GRPH3700, GRPH3104.

**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 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: GRPH3104, GRPH3502.
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.

HIST1304 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.

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.

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.

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.

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.

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.

HIST2306 Man and 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.
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.

HLTH1206 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.

HSTR1001 Introduction to Hospitality and Tourism 3 cr.
An orientation to the hospitality and tourism industries encompassing hotels/resorts, clubs, restaurants, food service institutions, and various elements of the tourism industry. Explores trends and opportunities in the industries; examines the planning, organizing, staffing, accounting and leadership functions in hospitality and tourism administration.

HSTR1100 Travel Geography 3 cr.
In the United States, over 70 percent of all travel sales involve itineraries originating in the United States for destinations within North America. This course will familiarize the student with the basic travel geography primarily of the United States. Major tourist destinations are reviewed with strong emphasis placed on development of map skills and basic place-name geography. Other areas of concentration will be Europe and Asia.

HSTR1200 Bar and Beverage Operations 3 cr.
An introduction to cost control management within a beverage operation. Units covered will include wine and wine making, spirits and responsible alcohol service. Students will sit for a national alcohol service certification.

HSTR1202 Restaurant and Catering Management 3 cr.
This course will introduce the student to a variety of food service operations including institutional feeding, banquet planning and retail food operations. Students will explore basic nutrition, sanitation and menu management more fully.

HSTR1204 Rooms Division Management 3 cr.
This course presents a systematic approach to front office procedures by detailing the flow of business through a hotel beginning with the reservation process and ending with billing and collection procedures. This course also places front office procedures within the context of the overall operation of a hotel and examines front office management, the process of handling complaints and hotel safety and security.

HSTR3001 Cruise and Tour 3 cr.
Exposes the students to the operational structure of the cruise, tour, hotel and car rental elements of the travel industry. This course will cover sales techniques relevant to these travel products. Knowledge of major tour operators and their brochures will be examined.

HSTR4900 Hospitality Field Experience 3 cr.
This experience enables the student to acquire vital hands-on training in the multifaceted hospitality industry. It is a paid work experience, which can be started in the freshman year, consisting of 300 hours in one of the many hotels, motels, resorts, restaurants and
institutional facilities located across the country. Work experience report and evaluation forms are required in order to guide the student toward his/her professional goals.

**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.

**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.

**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.

**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.

**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 religions traditions.

**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.
HUMN3100 Intercultural Communications 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.

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.

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.

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.

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: INDS1306.

INDS2302 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. The basics of ceramics and tapestries will also be studied. The student will be required to sketch ten different chair styles in a notebook.

INDS2303 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. The student will be required to sketch ten chairs in a notebook. Prerequisite: INDS2302.

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. One and two point perspective drawings will be developed. Barrier-free design will be addressed. Prerequisite: INDS2301.
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.

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.

INDS2900 Interior Design Career Internship 3 cr.

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.

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.

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.

INDS3601 ID Studio IV/Contract 3 cr.
Larger, more advanced commercial plans are produced. Programming, design development, codes, furniture, finishes, drawings and oral presentation is stressed. Prerequisite: INDS3600.

INDS3700 Building Systems 3 cr.
This course covers topics such as foundations, wall, floor, and roof construction and materials, electrical plans, flooring, and the many house styles. Prerequisite: INDS1306.

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.

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.

INFO1002 Computer Literacy 3 cr.
This course serves as an introductory course which will focus on word processing, electronic spreadsheets, databases, and on-line services such as Blackboard. Papers and research will be required using search techniques on the library system and on-line services. Students will be introduced to PowerPoint as a tool for delivering oral presentations.
INFO1003 Computer Applications 3 cr.
An introduction to professional business application software in the areas of spreadsheets and databases.

INFO1100 Introduction to Programming 3 cr.
Fundamentals of computer programming. This course introduces principles of computation and programming with an emphasis on program design. Topics include design and implementation of programs that use a variety of data structures (such as records, lists, and trees), functions, conditionals, and recursion. Students will be expected to design, implement, and debug programs in a functional programming language.

INFO1400 Programming in C++ 3 cr.
Fundamental programming concepts for use in business and software development. Both translator and compiled C will be covered. Logic, flowcharting, pseudocode, verification and documentation of programs.

INFO2002 Advanced Spreadsheet and Database 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: INFO1001.

INFO2300 Data Structures 3 cr.
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: INFO1400.

INFO2602 Managing and Maintaining PCs 3 cr.
This course prepares the student to install, boot, and repair computers. Students will have an opportunity to install a computer system including several input and output devices, and install the necessary drivers. Attention will be directly related to the problems that are most likely to plague today's office computer systems. Students will learn to troubleshoot problems, identify defective components, and safely remove and replace them.

INFO2900 Information Systems Internship 3 cr.
With the assistance of an advisor, arrangements are made for students to gain practical experience by working in computer areas.

INFO3500 Technical Aspects of 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, explain the main technologies used to implement online business activities. Prerequisites: INFO1001, INFO2100, MGMT1000, MKTG2104, or with the permission of the instructor.

INFO3505 Java 3 cr.
This course teaches client-side scripting with JavaScript programming language. It focuses on using JavaScript to enhance the user interface of web-based presentations. Topics
include language elements, object and events, related HTML, cookies, security, and development environments. Prerequisite: INFO1400 or permission of the instructor.

INFO3600 Networking I 3 cr.
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, co-ax, 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.

INFO4400 Active-X and Java 3 cr.
This course introduces the student to a host of technologies designed to embed interactive elements in HTML, Windows and cross platform environments. Students will learn to leverage Active-X and Active-X Controls to run applications in the (Microsoft) Internet Explorer Web browser. Emphasis will also be directed toward the development of cross platform applications using the Java language and Java Script. Course prerequisites: INFO1400 Programming in C++, and INFO2300 Data Structures.

INFO4505 Web Commerce Databases 3 cr.
A class on building databases to drive electronic commerce web sites. Dynamic web pages that derive some or all of their content from data files or databases, including pages created using client-side scripting technologies such as JavaScript or VBScript. Prerequisites: INFO3505, INFO2002 and INFO3500.

INFO4600 Networking II 3 cr.
This course is a continuation of INFO3600 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: INFO3600 Networking I.

INFO4700 Customer Service Skills 3 cr.
This course requires students to interact with users in order to help them use technology to its fullest. Students will be required to assist the help desk staff and will use software to manage and measure help and solutions to problems that occur at the college in NT windows and software packages such as Word, Excel and Netscape or Explorer. Students will be required to log, track and escalate calls; resolve problems using a knowledge base; generate reports and learn to work with all levels of users. Students will learn how and then be required to manage and create user and group accounts, disk and file systems, configure Internet and remote access, security, policies, printing and backups. Lab time outside of class time will be required. Prerequisite: INFO2002 or permission of the instructor.

INFO4802 Artificial Intelligence 3 cr.
This survey course will address current artificial intelligence issues, including speech, production systems, knowledge representation, knowledge-based systems, planning, natural language processing, and machine learning. Students will study the definition and history of AI, search techniques, game playing, deduction and resolution, inheritance, probability theory, Bayesian inference, decision-tree induction, and neural-networks. Prerequisites: MATH1200 Algebra, MATH2200 Statistics, PHIL3001 Ethics.
INFO4805 Seminar in MIS Concepts 3 cr.
This course will cover current topics not covered in other courses such as security, ethics, payment protocols, project management, PDAs, new trends and other short topics. There will be project work on integrating new technologies into other majors.

INFO4900 Certification Solutions 3 cr.
Courseware including books, software, lab manuals to prepare students for certifications in areas such as A+, MOUS exams, MCSE, and networking.

JOUR2901, JOUR2902, JOUR2903, JOUR2904, JOUR2905, JOUR2906, JOUR2907, JOUR2908 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. Prerequisites: ENGL1001 or equivalent.

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.

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.

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 throughout the course.

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.

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, Blackboard ©, 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.

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. Prerequisite: SOCI1001, PSYC1001, MATH2200.

**JUST4100 Directed Study in Criminal Justice 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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**LGLS2203 Litigation 3 cr.**
The study of a civil proceeding from the service of process to final judgement, to include domestic law, debt collection, and torts. Prerequisite: LGLS1100.
LGLS2205 Legal Aspects of Business 3 cr.
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.

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.

LGLS2300 Legal 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.

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.

LGLS2900 Career Internship 3 cr.
Arrangements are made for students to gain practical experience by working within a selected legal environment.

LGLS2909 Cooperative Education for Paralegal Studies 3 cr.
This program places students in work experiences which may include legal offices, real estate, and insurance establishments. A minimum of 144 hours is required. Open to sophomores either fall or spring semester. Prerequisite: 2.5 GPA.

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, LGLS2208.

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.

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.

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 date, (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.

**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.

**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).

**LIBA4100 Senior Seminar in the Liberal Arts 3 cr.**
This capstone course will serve as a culminating academic experience for students in the Liberal Arts. Students will be required to complete advanced reading and research on a specific topic, approved by their capstone faculty. Students will be expected to discuss the confluence of forces that came together at a specific point in history, resulting in the creation of an artistic work, technological invention, philosophy, theory, or social change. Students will be expected to produce a written analysis and an oral presentation of their capstone work. In addition, students will be expected to refine their personal portfolios for evaluation by the Liberal Arts Advisory Council.

**MATF1001 Foundations of College Mathematics 3 cr.**
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.

**MATF1002 Math for Health Sciences 3 cr.**
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 ramification 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.

**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: MATF1001 or MATF1002 or successful completion of the math placement test. A grade of C or better is required for graduation from the Veterinary Technology program.

**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.

**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.

**MATH2001 Functions and Pre-calculus 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: MATH1200.

**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: MATH1200 or permission of the instructor.

**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: Permission of the respective Dean.

**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.

**MGMT1000 Introduction to Business 3 cr.**
This course is about principles of the business sector of our society. Students are exposed to the 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.

**MGMT2200 Principles of Management 3 cr.**
This course sets forth the basic functions of management and the role of a manager from an operational as well as from an environmental viewpoint. Guiding principles and practices which increase management effectiveness are analyzed.

**MGMT2300 Portfolio Class (Required to open a Portfolio) 2 cr.**
Taking a step back and analyzing who you are and what makes you tick are the main focuses of the Portfolio class. Why do you do the things that you do; think the things that you think; feel the ways that you feel? How have you become the person that you are today? The Portfolio class meets for ½ day on Saturday and concentrates on analysis of prior life experience necessary for the development of the portfolio and the creation of your autobiography. Students will also learn how to document professional training and develop
experiential learning essays using the Kolb Model. Students will have eight weeks after the class to complete their autobiographies and portfolios.

**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.

**MGMT2505 Small Business Entrepreneurship 3 cr.**
This course will allow students to understand and evaluate small businesses from 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.

**MGMT2600 Introduction to Quality Management (TQM) 3 cr.**
An overview of total quality management style of management and the potential costs of quality. Introduction to management theories by W. Edward Demming, Phillip B. Crosby and Joseph Juran. Opportunity to do independent work in conjunction with classroom study. Prerequisite: MGMT1000 or permission of the instructor.

**MGMT2801 Fundamentals of Farm and Stable Management (3 credits) sophomore year.**
This course would involve discussions of the operation, application, and maintenance of farm and stable equipment and building structures. Included would be the business aspects of horse production, equine liability laws, equine insurance concerns, and employee and customer/client relations. Pre-require: ANSC1601.

**MGMT2900 Career Internship 3 cr.**
Arrangements are made for students to gain practical experience by working with managerial personnel in selected businesses.

**MGMT2909 Cooperative Education for Business 3 cr.**
Management students are placed in a variety of positions which offer exposure to the application of general management techniques. A minimum of 144 hours is required. Open to sophomores either fall or spring semester. Prerequisite: 2.5 GPA.

**MGMT3000 Management 3 cr.**
This course provides students with an introduction to the principles and practice of management in contemporary organizational settings. Special emphasis is placed upon the international environment, and issues of diversity.

**MGMT3100 International Business 3 cr.**
A broad-based introduction to management within the framework of international competition. The concept of international business is addressed as a global economic entity. Students deal with strategies, problems and opportunities faced by businesses engaged in international operations. Prerequisite: MGMT1000.

**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.

**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.

**MGMT3290 Human Behavior in Organizations 3 cr.**
The focus of this course is a study of organizational theory and applications. This course uses concepts from social behavioral sciences to introduce and analyze organizational change in business and public organizations.

**MGMT3300 Contemporary Economics 3 cr.**
This course involves a study in the U.S. economic system, including supply and demand, markets and competition, prediction and costs, and money and banking. This course also looks at current economic policies and the effects on the individual, the firm, organizations, and the nation.

**MGMT3400 Human Resource Management 3 cr.**
An analysis and examination of the human resource management functions. 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. Prerequisite: MGMT2200.

**MGMT3490 Accounting for Managers 3 cr.**
This course explores accounting from the perspective of the users of accounting information in management decision making. Students will gain insight into the role that accounting and accounting information play in modern organizations. Emphasis will be placed on accounting principles, concepts, and methodologies as they relate to information critical to evaluating an organization’s performance and strategic alternatives.

**MGMT3500 Financial Management 3 cr.**
This course, designed for the non-financial professional, provides students with a broad overview of financial concepts and applications utilized in management decisions. Focus will be placed on the financial components of business activity with the goal of increasing financial reasoning skills as they apply to the total organization.

**MGMT3600 Management Decision Making and Problem Solving 3 cr.**
This course examines the structure of problems, the 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.

**MGMT3700 Fundamentals of Human Resources Management 3 cr.**
By providing an overview of personnel policy and procedure in organizations, this course reviews the philosophy of personnel management, the function of the HR department and the context of their application in organizations.

MGMT3705 Business Ethics & Social Responsibility (On-Line Delivery) 3 cr.
Ethics are guides to "right" actions & behaviors. 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 your job and personal experience while examining these topic areas.

MGMT3800 Management Information Systems 3 cr.
Provides a foundation for integrated decision making across functional areas of an organization. Developing and using information systems to support operational, tactical and strategic decision making in organizations is also explored. Prerequisites: MGMT1000, INFO1003.

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.

MGMT4000 Business Research Methods 3 cr.
This course teaches students skills and techniques for conducting, writing, and evaluating research projects. Coursework focuses on problem definitions, research planning, instrument design, data collections, and sampling techniques.

MGMT4100 Business Policy 3 cr.
A capstone course in which students are encouraged to develop their managerial skills through the analysis of problems in various-sized businesses. This course integrates major management functions of marketing, finance, accounting, production, etc. In each situation, the student identifies the problem and formulates a course of action of business strategy. This course is only open to seniors who have completed all major courses.

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.

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.

MGMT4200 Training and Development 3 cr.
A systematic approach to training and development. Topics will include needs assessment and design of the learning environment, training methods, the link between training and
development, and a company’s strategic direction. Current development issues include cross- culture preparation, managing workforce diversity and succession planning. Prerequisite: MGMT3400 or permission of the instructor.

MGMT4201 Compensation and Benefits 3 cr.
Examines the decisions that go into paying employees; the concepts and research underlying those decisions; the alternative techniques used to help make decisions; and the objectives obtained. Topics include job evaluation, pay determination, employee benefits, government regulations, and current trends. Prerequisite: MGMT3400 or permission of the instructor.

MGMT4290 Marketing Fundamentals 3 cr.
This course introduces students to the principles of marketing and demonstrates their application in several environments. This will include analysis of marketing and consumer behavior and how successful marketing programs both influence and motivate buyers’ behavior.

MGMT4300 Managing in the Global Economy 3 cr.
This course examines the contexts within which global enterprises operate, and develops the skills required to succeed in the global economy. It addresses the impact of economic, political, social, and natural environment on corporate strategies, operations, and efficiencies. A focus on management issues is enhanced by attention to those regarding ethics and technology, as well as the changing career paths occasioned by globalization.

MGMT4400 Management Policies and Issues 3 cr.
The course focuses on strategic thinking to help organizations plan for the future. The course examines modern concepts of strategic planning, especially in terms of increasing environmental and organizational complexity.

MGMT4600 Capstone: Becoming a Reflective Practitioner 3 cr.
In this course, students synthesize learning from all the Required Courses. They apply content knowledge from the various disciplines to real-world organizational situations. Also, they reflect on the skills developed during the program and the future direction of their professional lives.

MGMT4900 Career Internship 3 cr.
Integrates classroom studies with practical experience. Supervised work experience in management or human resources. Twelve hours per week for twelve weeks (minimum). Prerequisites: 2.5 GPA and permission from advisor.

MKTG2101 Advertising 3 cr.
This course studies advertising as a tool of business: its 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. Prerequisite: Permission of the instructor.

MKTG2104 Marketing 3 cr.
A concentrated study of the marketing of consumer and industrial products on the retail, wholesale, and manufactory levels. Marketing functions are defined and described along with an analysis of the various marketing processes. Classroom work includes a study of related case materials.
MKTG3001 Marketing Management 3 cr.
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 who have taken MKTG2104 with a grade of C or better may substitute another marketing or business course with approval of advisor. Prerequisite: MKTG2104.

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. Examines the uses of test marketing and its relation to decision making. Prerequisite: MKTG2104.

MKTG3105 Global Marketing 3 cr.
Global Marketing focuses on the international/cultural approach to international marketing and trade, the competitive environment, and culture and its impact on human behavior. In addition, adult 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 world-wide environment while, at the same time, being sensitive to the cultural nuances within various international markets.

MKTG3300 Principles of Sales 3 cr.
An opportunity to develop proper selling techniques. The elements of a sale are explored and developed to the point where students are able to evaluate sales presentations. Prerequisite: MKTG2104 or MKTG3001.

MKTG4001 Marketing Research 3 cr.
Involves the collection, analysis, interpretation, and evaluation of data for use in the marketing management process. Modern research techniques are studied. Prerequisite: MKTG3001.

MKTG4200 Retail Marketing 3 cr.
An overview of retail marketing at the operational level. This course considers problems of store location and layout, buying, reviewing inventory and stock control, pricing, merchandising and promotion. Prerequisite: MKTG3001

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. Prerequisite: MKTG3001

NURS1103 Health Assessment 3 cr.
Health Assessment provides the student with the knowledge and skills required for obtaining a 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. Maternal (obstetrical), newborn and detailed family assessment will be addressed in NURS 2202. Students are required to pass the didactic and lab components of this course. Co-requisite: NURS1104, BIOL2503
NURS1104 Fundamentals of Nursing 4 cr.
Nursing I introduces students to basic nursing concepts, scientific principles, and nursing skills necessary to meet the health care needs common to all patients. Using the nursing process and the Educational Competencies for Graduates of Associate Degree Nursing Programs (National League for Nursing, 2000) as a framework, students acquire the knowledge and skills necessary to promote optimal wellness in the adult client’s 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. Co-requisite NURS1103, BIOL2503

NURS1105 Nursing II 10 cr.
Nursing II focuses on the care of selected clients experiencing common illnesses. The care of the adult medical-surgical client is viewed from the perspective of building on the core competencies. The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote client 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. 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 75 or better is required on the final examination in Nsg II in order to progress. Prerequisites: C or better in NURS1103, NURS1104, and BIOL2503. Co-requisite BIOL2502, BIOL2504

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, NURS1105). Students refine their ability to use the nursing process in the care of adult and pediatric clients with medical-surgical conditions of increased complexity. The effect of significant illness on the adult and pediatric client’s psychological, sociocultural, developmental, and spiritual dimensions of health are 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. 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 theoretical, college lab, and clinical experience portions of this course. A grade of 75 or better is required on the final examination in Nsg III in order to progress. Prerequisites: C or better in NURS1105, BIOL2502, BIOL2504. Co-requisite: PSYC1107

NURS2202 Nursing IV 10 cr.
Nursing IV considers the dimensions of health in all aspects of client care. The developmental and sociocultural dimensions of client health are highlighted with the inclusion of nursing care for the childbearing family. The psychological dimension is considered more deeply in relation to the client having mental and/or emotional difficulties. Community nursing care is expanded to include perinatal clients, mental health clients, indigent and medical-surgical clients. The principles associated with the management of client care are
broadened to include principles of delegation and organization of care for a group of clients. Students build upon knowledge and skills acquired in all previous nursing courses while learning new content in areas of maternal-infant care and psychiatric/mental health nursing. 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 both the classroom and clinical components of this course. A grade of 75 or better is required on the final examination in Nsg IV in order to progress. Prerequisites: C or better in NURS2201; Co-requisite: NURS2205

NURS2205 Seminar in Nursing 2 cr.
The role of the associate degree nurse upon entry into practice in the contemporary health care system is considered. Personal, ethical and legal aspects of nursing care are discussed along with issues and trends in nursing practice. The total development of the associate degree nurse for nursing practice and as a citizen is considered in applying the principles of management of client care as defined in *Educational Competencies for Graduates of Associate Degree Nursing Programs* (National League for Nursing, 2000). Prerequisites: C or better in NURS2201; Co-requisite: NURS2202.

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. Prerequisites: MA RN licensure; open only to students enrolled in RN-BSN program.

NURS3002 Holistic Theory 3 cr.
This course provides the discussion of holistic theory and the various techniques available for interventions with clients 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. Prerequisites: MA RN licensure; open only to students enrolled in RN-BSN program.

NURS3003 Applied Pharmacology 3 cr.
This course will enhance the nurse's knowledge of pharmacology and its therapeutic effects on clients. 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 client populations and documentation requirements will be reinforced. Prerequisites: MA RN licensure; open only to students enrolled in RN-BSN program.

NURS3100 Research in Nursing 3 cr.
This course provides the baccalaureate nursing student with the foundations for the knowledge of the research process and the critical thinking skills necessary to analyze, critique, and evaluate nursing research. This course applies the concepts and principles acquired in all prerequisites and Level I & II courses. The student will utilize theory-based nursing research to define and improve patient outcomes. Prerequisites: MATH 2200; NURS3001

NURS3101 Health and Physical Assessment of Individuals and Families 4 cr.
This course provides the opportunity to apply nursing theoretical principles to the implementation phase of performing a holistic physical and health assessment. This health and physical assessment will include clients as individuals and groups and will explore normal as well as abnormal findings. Emphasis is on assessment, competent technical skills in examination, and the ability to critically analyze the implications of abnormal findings. Methods for group assessment, intervention, and evaluation are included. Lecture is accompanied by a three-hour lab. Prerequisites: MA RN licensure; open only to students enrolled in RN-BSN program.

**NURS3102 Business of 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. Prerequisites: MA RN licensure; open only to students enrolled in RN-BSN program.

**NURS4001 Nursing in a Global Society**  3 cr.
This course applies the concepts and principles acquired in all prerequisite and levels I-III courses to the care of individuals, families, groups, and communities. This course requires the student to actively participate in the clinical setting as part of NURS4002 Independent Practicum. This course highlights the nurse’s role in healthcare systems to meet our global society. It is designed to discuss practice issues which include health promotion, risk reduction, disease prevention, wellness, cultural issues, and healthcare technology systems in the community setting. Prerequisites: Completion of all NURS3000 courses with a grade of “C” or better. Co-requisite: NURS4002.

**NURS4002 Independent Practicum I**  3 cr.
The nurse will experience an independent practicum to develop his/her role as a baccalaureate nurse practicing in a healthcare setting. An array of healthcare settings and disciplines may be utilized e.g. hospice, psychiatric setting, community, obstetric-gynecology, or a primary care/specialty clinic. Prior to the start of the practicum, clinical goals and objectives must be formulated to facilitate the student’s progress. The practicum is designed to be completed in two consecutive semesters with the focus in community health. Prerequisites: Completion of all 3000 level courses with a C or better. Co-requisites: NURS4001

**NURS4003 Independent Practicum II**  3 cr.
The nurse will continue in the second clinical course as an independent practicum with a nurse preceptor to develop his/her role as a baccalaureate nurse practicing in a healthcare setting. An array of healthcare settings and disciplines may be utilized e.g. hospice, psychiatric setting, community, obstetric-gynecology, or a primary care/specialty clinic. The student may elect to continue in the same setting as Independent Practicum I. Prior to the start of the practicum, clinical goals and objectives must be formulated to facilitate the student’s progress. The practicum is designed to be completed in two consecutive semesters with the focus on community health. The student has the option to change the focus to holistic health care, management and leadership, or the role of the nurse educator during this practicum. Prerequisites: Completion of all 3000 level courses with a C or better and completion of NURS4002 with a grade of C or better. Co-requisites: Enrollment in a Nursing elective.

**NURS4101 Professional Nursing Seminar**  3 cr.
This course is designed to develop the role of the baccalaureate nurse as a provider and manager of client care and as a member of the profession. Personal, ethical, and legal aspects of nursing care are discussed along with issues and trends in nursing practice for a diverse client population. This course must be taken in the last semester of program completion requirements or as the final Bachelor of Science in Nursing course. Prerequisites: NURS4001 and NURS4002.

**NURS4401 Advanced Holistic Nursing Practice** 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. Prerequisites: C or better in all NURS3000 level courses.

**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 of 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. Prerequisites: C or better in all NURS3000 level courses. Co-requisite: Enrollment in NURS4003.

**NURS4403 Professional Nurse as Educator** 3 cr.
This course is designed to develop the student as a client, 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. Prerequisites: C or better in all NURS3000 level courses.

**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 core competencies and 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 clients as well as the availability of and involvement in community health promotion efforts will be addressed. Prerequisites: C or better in level 3000 courses and NURS4001

**OPER3001 Production and Operations Management** 3 cr.
This is an introduction to the operating functions of a firm. Emphasis is on problem-solving skills using analytical techniques. Includes production planning and inventory control, quality control, forecasting, capacity planning, scheduling and work-study. Prerequisite: MATH2200.

**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.

**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.

**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.

**PHIL3200 Ethics in Veterinary Medicine 3 cr.**
A comprehensive introduction to ethical issues in veterinary medicine. This course examines the nature and function of veterinary ethics as it applies to animals and veterinary practice, moral theory and the law. Fundamental concepts include the human-animal bond, animal welfare and animal rights. Ethical challenges of such relevant topics as animal research, euthanasia, ethics in the workplace and high-tech veterinary medicine are also discussed. A grade of C or better is required for graduation in the Veterinary Science program. Prerequisites: Permission of the instructor.

**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. Prerequisites: Sophomore standing.

**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.

**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.

**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.

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.

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.

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.

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.

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.

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.

PSYC2002 Psychology of Personality 3 cr.
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.

PSYC2003 Behavioral Assessment & Data Collection Display and Interpretation 3 cr.
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.

**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.

**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.

**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

**PSYC2205 A Place Called Home 3 cr.**
We will explore the image of “home” from various perspectives including the visual arts, psychology, literature, architecture, spirituality, culture and history. Using these various frames of reference, students will deepen their capacity to reflect on their life experience and the way they make meaning in their lives. Readings and activities will be designed to let “home” be the catalyst for releasing the imagination, encouraging students to pursue in depth their own exterior and interior realities.

**PSYC2300 Adolescent Psychology 3 cr.**
This course will provide an introduction to the study of the adolescent from the onset of puberty to the beginning of adulthood. Topics will include biological, social, cognitive, moral, and identity development. Special emphasis will be given to at-risk populations, for the purpose of exploring prevention and intervention programs for youth. Prerequisite: PSYC1002 or PSYC1107.

**PSYC2505 Community Systems and Intervention 3 cr.**
This course offers an overview of community systems with an emphasis on system thinking. The student will become familiar with the history of human services including conditions creating the need for human services. Current models for individual and systemic interventions will be presented. Attitudes, values, and skills needed for entry-level positions
in human services will be presented and explored. Prerequisite: Introduction to Psychology (PSYC1001).

**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, BIOL1001/1002 or BIOL1005/1006.

**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.

**PSYC2807 Assessment and Evaluation of Learning 3 cr.**
This course will provide students with an overview of both traditional and authentic methods of assessment and evaluation. Topics presented will include portfolio design and development, modes of self-evaluation, performance assessment and evaluation, a rubric-based approach to assessment and reporting, and how curriculum and assessment are aligned. The constructivist theory of teaching and learning will be used throughout the course.

**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.

**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.

**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 and any PSYC2000+ elective.

**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 clinical interventions for family dysfunction. Prerequisite: PSYC1001.

**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. Prerequisite: Must be taken concurrently or subsequent to PSYC2002 and PSYC3400 or PSYC3402.

**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.

**PSYC3402 Child Psychopathology 3 cr.**
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.

**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 Czikszentmihalyi'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.

**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.

**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 100 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, a minimum GPA of 3.0 and permission of the internship coordinator.

**PSYC3903 Psychology Internship II and Seminar 3 cr. (offered in spring semester)**
Supervised fieldwork in community agencies, hospitals, courts, or other related settings. Students also meet with faculty and other internship participants for discussion, integrating their practical experience with psychological theory and research. Prerequisites: PSYC3400 or PSYC3402; 2.0 QPA in upper-level Psychology courses and permission of internship coordinator.

**PSYC4001 Research Methods 3 cr.**
Introduction to basic methods used in behavioral and social sciences research. Topics include hypothesis formation, design of experiments, statistics and interpretation of research. Ethical issues are also examined. Prerequisites: PSYC1001 and one 3000-level course.

**PSYC4200 Contemporary Issues in Psychology 3 cr.**
This course is a seminar format focusing on current "hot topics" in psychology. Students are exposed to current theories and research relevant to the topic and are encouraged to explore current unresolved controversies related to the area of study. Specific topics will vary from year to year with repetition occurring no more often than three years. Open to juniors and seniors in Psychology. Prerequisites: A grade of C- or better in PSYC4001 and permission of instructor.

**PSYC4300 Substance Abuse Treatment in Groups 3 cr.**
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. Emphasis will be placed on the development of skills for establishing and leading groups with substance abusers. At the conclusion of this course, students should be able to accurately diagnose substance-related problems and coordinate this diagnosis with appropriate treatment plans. Prerequisites: EXSC3205 and PSYC3305.

**PSYC4301 Counseling Children 3 cr.**
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: PSYC2002 and PSYC3402 or PSYC3400.

**PSYC4306 Counseling Theory and Practice 3 cr.**
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: PSYC2002, and PSYC3400 or PSYC3402.
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. Prerequisites: PSYC4001.

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.

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.

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.

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.

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.

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.

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.

**SOCl4001 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.

**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.

**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.

**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.

**SPMG2900 Career Internship 2cr.**

**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.

**SPMG4100 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.

**SPMG4200 Legal and Ethical Issues in Sports 3 cr.**
This course will provide the sports 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. Prerequisite: LGLS2205.
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.

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 and Science and Pre-Vet students. A grade of C (73%) or better is required in both lecture and lab for graduation from the Veterinary Technology and Science programs.

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. Prerequisite: C (73%) or better in VTSC1101. A grade of C or better is required in both the lecture and laboratory portion for graduation from the Veterinary Technology and Science Programs.

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. Prerequisites: C or better in VTSC1101, BIOL1005, MATH1200 or MATF1002 and CHEM1001 or permission of the instructor. A grade of C or better is required for graduation from the Veterinary Technology and Science Programs.

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 anatomy 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, and CHEM1001/1002. Usually offered in the spring. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

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 and CHEM1001/1002 or by permission on instructor. A grade of C or better is required for graduation from the Veterinary Technology and Science programs.

VTSC2101 Veterinary Hematology 4 cr.
Lectures cover the theory behind laboratory work involved with hematology and clinical chemistry. Laboratory work provides the clinical hands-on experience in doing clinical laboratory examinations on blood and body fluids. Open to sophomore Veterinary Technology and Veterinary Science students. Prerequisites: C or better in VTSC1101/1102/1200, BIOL1005/1006, CHEM1001/1002 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

VTSC2102 Clinical Pathology 4 cr.
Lectures will present the theory behind clinical urinalysis, parasitology and cytology of domestic and non-domestic species. Laboratory work 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 and CHEM1001/1002 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

VTSC2201 Farm Animal Practice 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. Open only to sophomore Veterinary Technology and Science students. Offered only in the fall. Prerequisites: C or better in VTSC1101/1102, BIOL1005/1006 and CHEM1001/1002 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

VTSC2500 Veterinary Anesthesia & Surgery 3 cr.
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 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 and CHEM1001/1002 or by permission of the instructor. The student must pass both lecture and lab sections with a C or better. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

VTSC2900 Career Internship 3 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. A requirement of participation in the in-house treatment group rotation will be scheduled during the fall or spring semester of the second
year. Veterinary Technology students are required to participate in off-campus field trips to area shelters and farms. Four to six trips a semester are scheduled for each student. Also, during the fall semester, sophomore students participate in a seminar class. The grade for this course will be awarded when all aspects of the course are complete. Prerequisites: C or better in VTSC1101/1102, VTSC1200, BIOL1005/1006 and CHEM1001/1002. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

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: VTSC2000. A grade of C or better is required for graduation in the Veterinary Science program.

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: VTSC1200/2000/2201. Offered in the Spring only.

VTSC3400 Immunology 3 cr.
This course surveys the basic principles of immunology and some basic epidemiological principles. Principles of maintaining animal health, selected zoonotic diseases, and public health concerns are also covered in this course. Regulatory medicine and disease eradication/control programs are explored through the Internet. The course instructor assumes the student has prior knowledge of basic cell biology, hematology, parasitology, and microbiology. Prerequisites: VTSC2101/2102 and BIOL2502 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science program.

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: VTSC2000/2101/2102/2201 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science program. Offered in the fall only.

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: VTSC2000/2001/2101/2102/2201/2500 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science program. Usually offered in the spring.

**VTSC3405 Pain Medicine 2 cr.**
This short course in pain medicine, offered as an elective to Veterinary Science majors, covers the following topics about pain: physiology, assessment, ethical and societal issues, farm animal issues, drug treatments, non-pharmacological treatments, alternative treatments (physical therapy/acupuncture). The veterinary technician will learn skills that will enhance his/her ability to recognize pain and to advocate for the patients. Prerequisites: VTSC1200/2500 or by permission of Instructor. A grade of C or better is required for graduation in the Veterinary Science program.

**VTSC3600 Veterinary Nutrition 3 cr.**
This course covers nutrients and their function in the health of the domestic, lab, and exotic species of animals. The first half of the semester provides the backbone for the second half by discussing nutrients, feeds and rations, and commercial diets of healthy animals. The second half of the semester deals with the role nutrition plays in certain diseases of dogs and cats. Different feeding modalities will also be covered in the second half of the semester. Prerequisites: CHEM3003 or by permission from the instructor. A grade of C or better is required for graduation in the Veterinary Science program. Usually offered in the fall.

**VTSC3701 Equine Biomechanics and Conformation (3 credits) junior year.** This would be a detailed course in conformation and the movement of joints and muscles. Students would learn about the principles of normal equine movement as it relates to the limbs and the spine. Diseases associated with poor conformation and the methods to treat poor conformation will be discussed. The role of the farrier in treatment of conformational diseases and the role of new physical therapy modalities will be a part of the discussions. Pre-requisites: ANSC2701.

**VTSC4102 Laboratory Animal Diseases 3 cr.**
Introduces the more common diseases, clinical signs, diagnostic tests, recommended treatments and possible prevention of these diseases in a laboratory research facility. Also describes zoonotic and public health concerns regarding these diseases as well as the potential problems these illnesses cause in a research study being conducted. Students will acknowledge these problems and make practical educated decisions to benefit all those involved, both researchers and laboratory animals. Prerequisites: BIOL3001, VTSC3100, PHIL3200, VTSC3401 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science program.

**VTSC4201 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. Prerequisites: ANSC2701/2403/3503 and VTSC3701 or by permission of instructor.

**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:
VTSC3401 or by permission of the instructor. A grade of C or better is required for graduation from the Veterinary Science program.

**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.

**VTSC4900 Preceptorship Option I 12 cr.**
The 12-credit preceptorship requires that all students perform 900 hours of clinical experience at approved cooperative sites. The preceptorship is a structured program that provides for career-related experiences and instruction under the direct supervision of one or more veterinarians. The preceptorship consists of two clinical modules. Module I (500 hours) must be completed by all full or part-time students prior to the start of module II. Module II (400 hours) is performed two to four days a week during the last semester of the senior year. Prerequisite: Limited to junior and senior Veterinary Science students. Module II is limited to senior students having satisfactorily completed the junior year curriculum requirements. A grade of C or better is required for graduation.

**VTSC4901 Preceptorship Option II 9 cr.**
This preceptorship option allows students to elect to spend a minimum of 800 hours working at approved cooperative sites related to their area of interest (see course description for VTSC4900). Module I consists of 500 hours; module II consists of 300 hours of supervised clinical experiences. Prerequisites: Limited to junior and senior Veterinary Science students. Module II is limited to senior students having satisfactorily completed the junior year curriculum requirements. A grade of C or better is required for graduation.

**VTSC4902 Preceptorship Option III 6 cr.**
This preceptorship is the basic clinical experience requirement for all veterinary science students. The 6-credit preceptorship requires that all students perform 700 hours of clinical experience at approved cooperative sites related to their area of interest (see course description for VTSC4900). Module I consists of 500 hours; module II consists of 200 hours of supervised clinical experiences. Prerequisite: Limited to junior and senior Veterinary Science students. Module II is limited to senior students having satisfactorily completed the junior year curriculum requirements. A grade of C or better is required for graduation.
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