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A Message from the President

Greetings from Becker College! Although I am no longer a newcomer on campus, I continue to be impressed by the dedication of the faculty and staff as well as the wide range of academic and social programs offered here at Becker. When you add to this the exceptional location we enjoy in the heart of Massachusetts, it becomes clear that you would have a hard time making a better college choice than Becker.

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

You will find the people here to be caring and willing to commit their energies and the college's resources to make Becker 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 to a Bachelor of Arts in Design, to accelerated degree programs in Business. 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 not only distinguishes Becker from among other institutions of higher education, but 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 do everything possible to make your Becker College experience a great one.

Enthusiastically,

Ken Zirkle
President

Academic Calendar 2005-2006

Fall Semester 2005

Thursday, August 25	International Student Orientation
Thursday and Friday, August 25 & 26	Faculty Workshops
Sunday, August 28	Resident Freshmen Arrive Freshmen Housing Orientation
Monday, August 29	Freshmen Resident and Commuter Orientation Freshmen Assessment and Workshops
Tuesday, August 30	Resident Upper classmen Arrive Registration: All Commuters and Residents
Wednesday, August 31	CLASSES BEGIN

Monday, September 5	Labor Day Holiday - No Classes
Friday, September 9	Last day to Add or Drop a Class
Monday, October 10 – Tuesday, October 11	Columbus Day Holiday – No Classes
Friday, October 21	Mid-Term Grades Due
Saturday, October 22	Fall Open House
Friday, November 4	Last Day to Withdraw from a Course without a Grade
Wednesday, November 23 – Sunday, November 27	Thanksgiving Holiday – No Classes
Friday, December 9	CLASSES END
Monday, December 12 – Thursday, December 15	Final Examination Period
Friday, December 16	Final Examination Make-Ups
Monday, December 19	Final Grades Due

Spring Semester 2006

Tuesday and Wednesday, January 17 & 18	Faculty Workshops
Wednesday, January 18	Resident Freshmen Arrive Orientation and Assessment for January Entrants
Thursday, January 19	CLASSES BEGIN
Friday, January 27	Last Day to Add or Drop a Class
Monday, February 20	Presidents' Day Holiday - No Classes
Friday, March 10	Mid-Term Grades Due
Monday, March 13 – Friday, March 17	Spring Break – No Classes
Friday, March 31	Last Day to Withdraw from a Class without a Grade
Saturday, April 8	Spring Open House
Friday, April 14	Good Friday Holiday – No Classes
Saturday, April 22	Accepted Student Day
Friday, May 5	CLASSES END
Monday, May 8 – Thursday, May 11	Final Examination Period
Friday, May 12	Final Examination Make-Ups
Saturday, May 13	COMMENCEMENT - 11:00 a.m.
Tuesday and Wednesday, May 16 & 17	Faculty Workshops
Wednesday, May 17	Final Grades Due

Introduction

Located in the heart of Massachusetts, Becker is a distinctive New England college. Becker College encompasses two individual 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 around 1,200 men and women from 24 states and 5 countries, Becker College continues the tradition of excellence. The small class sizes and low student to faculty ratio (15:1) allow students to get the individual attention and recognition they deserve and foster 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 Provisional with Advanced Standing Teacher Certification for the Early Childhood Education level (pre-K through grade 3) and Provisional with Advanced Standing Teacher Certification in Elementary Education (grade 1 through grade 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*
- *Commission on Accreditation in Physical Therapy Education*
- *American Physical Therapy Association*
- *Massachusetts Board of Registration in Nursing*
- *National Association for the Education of Young Children (Leicester Campus Preschool)*
- *National League for Nursing Accrediting Commission*
61 Broadway 33rd Floor
New York, New York 10006
212-363-5555 ext. 153 or 800-669-1656 ext. 153
FAX 212-812-0390
Web Site: www.nlnac.org

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 Physical Therapy Association (APTA)
- Association of Independent Colleges and Universities in Massachusetts
- Colleges of Worcester Consortium, Inc.
- Council for the Advancement and Support of Education
- Council on Hotel, Restaurant, and Institutional Education
- National Association of College Admissions Counselors
- National Association of College and University Business Officers
- 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 League for Nursing
- National Collegiate Athletic Association (NCAA)
- 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 Transfer Association
- The College Board

Mission

Becker College provides academic and career education integrated with the liberal arts and sciences, which leads to the awarding of the Associate in Science degrees. Baccalaureate degree programs build on this strong liberal learning and career knowledge base with additional courses and educational experiences.

With the completion of the degree, graduates are prepared to enter the work force within their chosen career or continue their education. Students who complete a degree program are prepared to advance in their professional careers. Throughout, opportunities for personal development are supplemented by college-sponsored activities, cultural enrichment programs, athletics and community service projects. In keeping with its mission, the College extends opportunities for educational, professional and personal advancement through its Accelerated and Professional Studies programs.

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 judgements 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.
- Cultivating in students a pluralistic outlook.
- Offering students opportunities for research and

- service.
- Creating an awareness that learning is lifelong.

Educational Philosophy

Becker is a small, coeducational college offering programs designed for both the student seeking a four-year degree and the two-year career student.

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

The city of Worcester is known as a center of commerce and industry, but one of its biggest businesses is education. Besides the Leicester and Worcester campuses of Becker, the area is home to twelve other institutions of higher learning: Anna Maria College, Assumption College, Atlantic Union College, Clark University, the College of the Holy Cross, MA College of Pharmacy, Nichols College, Quinsigamond Community College, Worcester State College, Worcester Polytechnic Institute, Tufts University School of Veterinary Medicine and the University of Massachusetts Medical School. Along with Becker these colleges comprise the Colleges of Worcester Consortium and enroll a total of just over 32,000 students.

Among the many cultural and entertainment opportunities available in Worcester are the Art Museum, considered to be one of the finest small museums in the nation (where Becker students are admitted free); the Worcester Music Festival, which brings such famous orchestras as the Detroit Symphony; a Craft Center, EcoTarium, and a variety of dance, theatrical, and musical events, many of which are held at the historic Mechanics Hall. The DCU Center, Worcester's civic center, hosts all types of entertainment from major league sporting events to headline music groups. Worcester is also home to the American Antiquarian Society; the John W. Higgins Armory and Museum, housing a collection of medieval armor; the Worcester Historical Society; the Worcester Foundation for Biomedical Research, known as an international center for physiological research.

Students find it an easy matter to get to Boston (one hour by car or train) for its professional sports teams, cultural events and entertainment. In fact, there exists a wide range of year-round recreational opportunities within the College vicinity.

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. You have the opportunity to participate in a number of cultural, social, and recreational activities while preparing for your 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.

Arnold C. Weller, Jr. Academic Center — Originally constructed as the Bancroft School in 1922, the Academic Center has been the Worcester campus' main instructional facility since 1958. Over the past several years, this imposing structure has undergone several major renovations, the most recent during the summer of 1997. The Academic Center houses the Ruska Library - a large lecture hall, multiple classrooms, the bookstore, the Center for Academic Success, Suite 300 - One Stop Center, seminar rooms, the Glennon Conference Room, C.A.D.D. laboratory, Macintosh laboratory, student group study room, computer laboratories and several offices. Each classroom is wired for computer access and the lecture hall is equipped for multimedia use.

Health Sciences Education Center — Dedicated in May 2000, the \$3.8 million Health Sciences Education Center houses eleven laboratories encouraging collaborative teaching and research among the health science faculty. The laboratories in the 22,000 square foot facility include: Physics, Biology, Anatomy/Physiology, Motion Analysis, Orthopedics, Modalities, Nursing, Media, Developmental Skills, Daily Living and Fitness Center.

66 William Street

Colton Hall — Built in 1893; this building became the college's first dormitory in 1936. The house is an excellent example of Queen Anne architecture and was recently restored following original blueprints.

Merrill Hall — Noted for its beautiful stained glass artwork, it was purchased in 1955 and named for the late civic leader and Becker trustee, Everett E. Merrill.

Davis and Linden Halls — These residence halls were purchased in 1946 and 1949, respectively.

Maple Hall — Acquired in 1944, this magnificent building has a distinctive round tower which was modeled after a French chateau, and contains elaborately finished maple wood.

Administration Building — This building opened in 1969 and houses the offices of the President, Vice President, Alumni Affairs, Development, Public Relations, Publications, and Institutional Advancement.

Gilbert R. Boutin Student Center — The hub of student social activity contains the dining hall and Student Services Offices and counseling services; there is a lounge and gymnasium for intramurals and student activities, and the Trustees Conference Room.

60 William Street — This recently remodeled building contains computer services and student mailboxes.

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.

Borger Academic Center — One of the more recent additions to our College complex, this two-story facility has classrooms, two science laboratories (biology and chemistry); the Center for Academic Success; computer laboratories and each classroom is wired for computer access; a modern, air-conditioned auditorium; meeting rooms, and offices for the registrar and faculty.

The location of faculty offices, in fact, is particularly conducive to student/teacher conferences. Each faculty member maintains office hours during which his or her students can get assistance on a one-to-one basis. Faculty-student interaction, however, can happen anywhere, whether it is in an office, the student center, or the gymnasium.

Swan Library — Named for President Emeritus Paul R. Swan, the library faces the town common in the center of the campus. It contains more than 30,000 volumes with appropriate journals and audiovisual materials. Besides the general library collection, the Swan Library houses the special Samuel May collection. Since Becker is a member of the Worcester Area Cooperating Libraries, students may borrow books from other Worcester area libraries. The Library also provides student computer access.

Leicester Campus Preschool — Located near the Student Center, this facility serves as a laboratory school for students in the early childhood and elementary education programs. The preschool is an NAEYC (National Association for the Education of Young Children) accredited child education center, providing quality education to children ages three to five from Leicester and surrounding communities.

Student Center — The student center serves as the recreational and social hub of the campus. It features a snack bar, activity room with DJ booth, game room, bookstore and mailroom. The building also houses offices for Student Services, Health Services, and Admissions.

Susan E. Knight Hall — The largest residence hall on campus, Knight Hall houses 100 students. It also contains several meeting rooms and the College dining hall.

May Hall — Closed for renovations, this historic building is one of only a handful of homes authenticated as being a stop on the "Underground Railroad".

Marsh Hall — Marsh Hall houses our education program.

Lane Hall — Facing the town common, this 1813 white brick house is a fine example of Federal style architecture.

Hitchcock and Winslow Halls — Adjacent to Lane Hall, these two houses were restored to serve student housing needs. The latter was built in the late 1700s and boasts a pillared entrance.

Physical Education Center — This beautiful facility serves the Sports Management, Health and Fitness, and intramural programs, as well as intercollegiate athletics. The synthetic-surface floor is ideal for basketball, volleyball, street hockey, roller skating, and infield baseball and softball practices.

Athletic Fields — The baseball field, new alumni soccer/field, hockey field, and tennis courts are located on the north side of the campus. Our softball fields are located across Rt. 9, south of the gymnasium.

Berkshire and Hampshire Halls — Completed in 1969, each of these residence halls house 50 students and possess a commanding view of the countryside. Hampshire and Berkshire Halls are coeducational by floor.

Lenfest Animal Health Center — Located near the gymnasium, this modern facility opened in 1982 and contains our animal science labs, x-ray equipment, operating rooms, laboratory animal rooms, dog training room, kennel, dog grooming room, faculty offices, classroom, and a veterinary clinic, which treats over 1,500 animals annually.

Russell House — Veterinary technology and veterinary science staff and faculty offices.

Admissions

Becker College is a four-year, private coeducational college with an enrollment of approximately 1,200 students. Becker provides an ideal educational atmosphere for students who desire a nurturing environment and strong community spirit. The low student to faculty ratio (15:1) allows students and faculty to interact and form meaningful bonds. 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 the most 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 between 9 a.m. and 3 p.m. In addition, Open Houses and special events are held throughout the year. 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 245. Prospective students may also contact the office via email at admissions@beckercollege.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

1-508-791-9241, ext. 245 or toll-free at 1-877-523-2537

Fax: 1-508-890-1500

E-mail: admissions@beckercollege.edu

Acceptance and Confirmation

All accepted students are required to forward a \$300 tuition deposit to reserve a place in the incoming class. This deposit is refundable until May 1st by written request. Deposits made after May 1st are non-refundable. The tuition 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 or better. Complete applications will include:

- A completed application for admission and \$30 non-refundable application fee. Checks or money orders should be made payable to “Becker College.”
- An official copy of the secondary school transcript with grade point average (GPA) 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.
- Submit 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, 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 4 years of secondary school English with a grade of C or better.
- Students who do not meet the above criteria but satisfy the general admissions requirements of the college are encouraged to apply for the Pre-Health Science program. Please refer to the Academic Programs section for curriculum details. Upon successful completion of Pre-Health Science, admission to a health science program is guaranteed.

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 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, 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. Arrival and orientation information, housing and health forms will be sent during the summer from the Office of Student Services.

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 213 computer based or 550 paperbased for admission. TOEFL scores should be sent directly to Becker College. The CEEB code is 3079. Score reports older than one year are not acceptable. 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 \$26,000 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 Students: General Information

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 who transfer into Becker College may be given up to thirty (30) credits toward an associate degree and sixty (60) credits toward a bachelor's degree for coursework completed with a grade of C- or better at other accredited post-secondary institutions. Coursework in math and science must be completed with a grade of C or better within 7 years in order to be considered for transfer credit.

Upon completion of the initial credit evaluation, students are required to take all remaining courses within the day division of the college. With prior approval of the Registrar, a student may be allowed to take additional courses at another college. Transfer credit will not be computed into the student's cumulative grade point average.

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. These credits will be treated as transfer credits.

Transfer Admission for Veterinary Science

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.
- 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 school must complete NU 113 (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 (NU114) 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 NU 113, 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. Students are required to complete a minimum of 39 credits at Becker College.

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 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 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.

Articulation Agreements

The college has multiple articulation agreements with other collegiate partners to grant transfer credit in particular programs. Please check with the admissions office for current information.

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. However, for the majority of students, a request will be made to the registrar's office to enroll in as many classes as possible on the campus on which they live.

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 (eg. 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 will prevent professional licensure.

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 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. Nursing (non-LPN) and Veterinary Science and Technology students must begin in the fall semester. Nursing students who have earned their LPN may be able to begin in January (please see Special Requirements section for details). 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 Becker College in the day division 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.

Office of Student Financial Services

Tuition, Fees, Room and Board Charges, Financial Aid

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 financial 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 Financial Services Office is open for questions and counseling Monday through Friday from 8:00 a.m. to 4:30 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 Financial Services. Students may call the office at (508) 791-9241 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 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. All full-time freshmen and sophomores who are under 21 years of age, except those who are married or commute to College from their parent's or guardian's home, are required to live in College residence halls and take their meals at the dining hall on campus. 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 in this catalog 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.

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.

UNDERGRADUATE CHARGES PER SEMESTER FOR THE 2005-2006 ACADEMIC YEAR FOR RESIDENT STUDENTS

August 16, 2005 payment \$14,919

(Payment includes full mandatory insurance fee, full mandatory accident fee, one-half student government fee, one-half College service fee, one-half computer access fee, one-half telecom fee, one-half damage deposit, and assumes the commitment deposit and application fee have been paid.)

January 2, 2006 payment \$13,435

(Payment includes one-half student government fee, one-half College service fee, one-half computer access fee, one-half telecom fee and one-half resident damage deposit.)

UNDERGRADUATE CHARGES PER SEMESTER FOR THE 2005-2006 ACADEMIC YEAR FOR COMMUTING STUDENTS

August 16, 2005 payment \$10,694.00

(Payment includes full mandatory insurance fee, full mandatory accident fee, one-half College service fee, one-half student government fee, one-half computer access fee and assumes the commitment deposit and application fee have been paid.)

January 2, 2005 payment \$9,210.00

(Payment includes one-half student government fee, one-half College service fee and one-half computer access fee.)

Annualized Tuition, Board, and Fees

Full-time \$18,000

Room and Board \$ 8,000

(Includes three meals each weekday with an additional continental breakfast, brunch and dinner on weekends)

*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 commitment deposit.

Mandatory Health Insurance Fee	\$1,415
Part-Time Tuition (per credit)	\$ 750
Single Room Charge	\$ 600
Telecommunications Fee (telephone, internet access, cable TV)	\$ 230
Damage Deposit	\$ 220
Student Government Fee (supports clubs and programs)	\$ 200
Computer Access Fee	\$ 140
College Service Fee (Inter-campus transportation/health services)	\$ 80
Mandatory Student Accident Fee	\$ 69

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.

Part-time students will be assessed a pro rata portion of the student government, College service and computer access fees.

Room Consolidation Policy

Students are notified at the beginning of each semester and at the end of the fall semester about room consolidation policies. Residents are encouraged to relocate or consolidate to avoid extra charges. The rates for a single room plus \$75 per space will be assessed after the first two weeks of occupancy each semester.

For example: A student who chooses to remain in a triple room without a roommate will be assessed an additional \$150 plus \$75 times two - a total of \$300 for the semester. The Director of Student Services reserves the right to relocate students to particular rooms or waive charges in some circumstances.

Meal Plans and Charges

Every resident student is required to select one of the several meal plans. The plans are designed to meet a variety of preferences and offer Dining Hall meals and/or snack bar purchases.

All students who live on campus must participate in a meal plan; off-campus students may participate if they wish. Meal plan services are not transferable between students. Upon selection of a meal plan and financial clearance, each student will be provided with an identification card which doubles as their meal card.

Health and Accident Insurance

All registered full-time students 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 Kosterweb.com and completing the required information, The accident plan is not waiveable. The cost for the health insurance is \$1,415 and the cost for the accident plan is \$69.

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

CORI Background check	\$15
Malpractice insurance fee (estimated)	\$25
Allied Health, Veterinary Clinicals	\$25 - \$35
Automobile Registration	\$25
Veterinary Technology program (Littman stethoscope, nametag)	\$100
Graduation fee	\$100
International student orientation fee	\$150

Nursing Program

Equipment Pack	\$65
Uniforms	\$125

Travel Expenses

During the school year, the Nursing student will be involved in clinical settings. These clinicals 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.

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 or money order are accepted at the Student Financial Services office. In addition, payments

can be mailed to Becker College, P.O. Box 15071, Worcester, MA 01609. For proper allocation of funds it is required that payments be accompanied by the invoice payment stub.

Credit card payments are accepted by phone or fax. Call (508) 791-9241 or fax your credit card payment to (508) 890-1511.

Late Fee

Payments received after the due date designated on the invoice may be subject to a \$150.00 late fee.

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 except Worcester campus freshmen residents are permitted to have motor vehicles on campus, provided they are registered with the Student Services Office. Because of the limited available parking space, Worcester campus resident freshmen must obtain permission from the Student Services Office before bringing a vehicle on campus. Students who bring vehicles on campus do so at their own risk.

Withdrawal

Students may withdraw from the College only after completing a withdrawal form, which is available from the Registrar. 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. 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. Fee refunds for which the student is eligible will be determined by this date.

Refunds of Tuition

Refunds on tuition, room and board charges for all non-Title IV recipients will be made according to the following schedule.

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%

During the fifth week of class 0%

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 Perkins 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). FAFSAs 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.beckercollege.edu for links to scholarship search agencies and organizations.

Types of Aid

Scholarships and Grants - Not to be Repaid

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 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.beckercollege.edu/rotcair/>.

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. Details on eligibility and awarding are available from the Financial Aid Office.

Becker College Grant

These scholarships are awarded by the College on the basis of need, 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 \$4,050 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 Physical Therapist Assistant students who demonstrate 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 is for \$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. Your school and lender will inform you if your loan is unsubsidized. 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 a forbearance, as explained in your promissory note.

Federal Origination Fee/Insurance Premium:

You will 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 \$2,625 for their first year of study, \$3,500 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. levels will be ineligible for financial aid.

After 2 semesters	1.30
After 4 semesters	2.00
After 6 semesters	2.00

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.

Students who are determined not to be making satisfactory academic progress are allowed one semester of continued assistance under probation status in order to obtain the necessary requirements for maintaining progress. If students are still not making progress after one semester of probation, aid is discontinued. Students are allowed only one semester of probation while at Becker. Appeals to this policy for special circumstances may be made in writing to the director of financial aid.

Student Development and Campus Life

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. The first year experience program works closely with the admissions staff to ease the transition into college.

Opportunities for extracurricular involvement are plentiful on and off campus. Students are encouraged 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.

One Stop Center

For the convenience of Becker College's students, a number of key administrators' offices have been grouped in the Weller Academic Center. The Registrar, Financial Aid, and the Student Accounts representative are now located in the office suite above the Ruska Library. Consolidating these offices within the Academic Center will enable us to serve our students more efficiently and to solve student problems quicker and easier.

The First Year Experience

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

All entering freshmen are required to enroll in BC101 First Year Experience. 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 Center for Academic Success is available to all students to assist you in a variety of ways. We also encourage you to take the 2-credit study skills course to give you the foundation necessary to excel in college.

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. The college also offers an International Student Orientation prior to freshmen orientation. International students learn everything from immigration responsibilities to health issues, academic advising and extracurricular activities. This special orientation provides incoming international students with the opportunity to meet new students from other countries or from their homeland. Second year international students serve as peer advisors.

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 (IHSA). 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 14 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
Hockey
Ice Hockey in fall '06
Lacrosse
Soccer
Tennis

Athletic teams for women:

Basketball
Equestrian
Field Hockey
Lacrosse in fall '06
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 provide a rich and varied college experience. We strongly encourage your involvement and participation for enhanced learning, personal development and enjoyment.

Student Government Association (S.G.A.)

The Student Government Association is responsible for overseeing all clubs, organizations and any activities funded by the student activity fee. S.G.A. officers and members hold regular meetings to maintain and improve the quality of campus life, focusing on student needs and reasonable expectations. Its membership may include elected representatives from each residence hall and the commuter population, as well as student leaders from many organizations.

Commuter Program Committee

Although commuting students are encouraged to participate in all student organizations and activities, their situation periodically raises issues unique to this segment of the student body. A Commuter Club meets so students may plan special daytime events, address concerns, or just socialize. This committee also represents the commuter population in the Student Government Association.

Fitness Club

This group organizes and facilitates various activities in the Fitness Center. Free weights, Nautilus equipment, lifecycles, rowing machines and other equipment are also available for student use. Co-ops, internships and work-study positions are offered to qualifying students. Fitness Center activities are definitely the fun way to stay in shape!

Community Service

On campus and in nearby communities there are dozens of organizations looking for volunteers. This community service club ensures that students and college personnel are made aware of available area volunteer opportunities and occasionally sponsor volunteer projects. Recent activities include food and clothing drives, visits to Shriner's Children's Hospital, Toys for Tots, Habitat for Humanity, Make a Wish Foundation and the Clean Up Worcester project.

Yearbook and Newspaper

The annual yearbook and biweekly newspaper, The Becker Journal, are designed and published by students to chronicle student life at Becker College. A wide variety of student talents including photography, journalism, artistry, desktop publishing, and layout design combine to create top quality publications. Positions are available through volunteering, co-op, internship and work-study.

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
Business Club
Christian Fellowship Club

Community Service Club
Commuter Club
Drama Club – Creative Players Experience
Dance Club
Education Club
Fitness Club Ice Hockey Club
International Club
Nursing Club
Outdoors Club
Physical Therapist Assistants Club
Residence Life Club
Ski Club
Student Activities Committee (S.A.C.)
Student Alumni Society (S.A.S.)
Student Government
Student Newspaper (The Becker Journal)
Travel Club
Yearbook

New Clubs and Organizations

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 S.G.A.

Campus Activities

The coordinators of campus activities and the Student Activities Committee plan student activities, directly and through student organizations. Movies, entertainers, dances, trips, guest speakers and special events are hosted on and off campus. Transportation is provided for off-campus events. The campus activities calendar is distributed biweekly.

Events

Orientation Week

Orientation week is filled with educational and social events that enable new students to meet people and gain information that will be helpful throughout their college experience.

Halloween Week

Becker traditions abound during Halloween week, which brings hypnotists, mentalists, a psychic fair, hall decorating contests, a costume dance and haunted house.

Family Day/Homecoming

One of the highlights of the year is when Becker hosts parents and families for a variety of campus events. Parents are invited to meet with members of the faculty and administration. Academic displays, athletic events, lunch, games and entertainment are some of the

activities offered. Students and guests are also invited to participate in the Town of Leicester Harvest Fair.

Spring Carnival

An afternoon off from classes and a day filled with fun, music, novelty acts and a cookout.

Along with many other specially designed activities, traditional Spring Carnival festivities include a semiformal dance, residence hall competitions and cookouts with entertainment.

Awards Night

The Student Services Offices put together an awards night for the Becker College community in early May. This event provides students with recognition for their achievements inside and outside the classroom. Students receive awards for academics, leadership and clubs/organization participation.

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 confidential, and 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. A variety of insight-oriented support groups and educational groups are also offered.
- **Academic Counseling**
Academic counseling is designed to aid students in making necessary adjustments in the transition from high school or the return to school for the adult learner.
- **Consultation/Referral**
It is sometimes appropriate to refer students for 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 substance abuse, depression, eating disorders, rape prevention, dating violence, stress management, etc.
- **Wellness Office**
The Wellness Office is the primary resource for alcohol and drug education and coordinates campus-wide efforts to address issues related to alcohol and other drugs. Also serving as a resource for a broad range of health and wellness topics, the Wellness Office supports healthy lifestyle choices through education, prevention, and outreach. The goal is to encourage students to make informed decisions regarding all aspects of their health.

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. 419 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, Veterinary Technology students and Animal Care students whether full-time or part-time to present a medical certificate indicating:

MMR (2 doses measles, 1 dose mumps, 1 dose rubella)

Meningococcal vaccine or signed waiver

Tetanus and diphtheria (within the last 10 years)

Hepatitis B (3 doses, or series started)

PPD/ tuberculosis test (within 6 months depending on clinical rotation or 1 year) or proof of negative chest x-ray

Physical exam (within 1 year)

In addition, ALL Veterinary Technology 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.

Health Records are required at least two weeks prior to arrival on campus.

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.

Medical Record forms can be accessed on the Becker College website under 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 Area Coordinators and a Residence Life Coordinator, Area Coordinators and Resident Assistants.

The College's concern for the living environment of its students is reflected in the area coordinator and resident assistant . 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.

Resident students are charged a telecom fee, which supports phone, cable, and computer network connections. Each room has its own phone connection upon which students can receive incoming calls and can make unlimited local calls. Long distance calls are the responsibility of each student using their own calling cards. 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 17,000 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.

The Walt Disney World College Program - Competitive, on-campus interviews for internship credit to learn, live, and earn at the Walt Disney World Resort, Orlando, Florida. Open to all majors.

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.beckercollege.edu/studentlife/career.htm>.

Academic Information

Graduation Requirements

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

1. 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.
2. 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 is within two courses (not to exceed a total of 8 credits) of 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. Instructors are required to inform the Registrar at the mid-term of students earning a grade of D or F at that point in the semester. The College uses the four-point system in computing grade point averages as follows:

Grade		Grade Points
A+	Superior	4.00
A		4.00
A-	Above average	3.70
B+		3.30
B		3.00
B-		2.70
C+	Average	2.30
C		2.00
C-	Below average	1.70
D+		1.30
D		1.00
D-		0.70
F	Failure	0.00
I	Incomplete	not calculated
P	Passing	not calculated
W	Withdrawn	not calculated
WP	Withdrew passing	not calculated
WF	Withdrew failing	not calculated
AU	Audit	not calculated

NC not calculated

Incomplete Grades

If a student is unable to complete the work assigned in a course, the student must request the faculty member for an incomplete "I" grade in the course. The instructor, at his/her discretion, will assign such a grade and provide additional time for the student to complete the work and notify the Registrar. It becomes the responsibility of the instructor at that point to change the incomplete to a regular grade by no later than three weeks from the start of the next regularly scheduled semester. If the grade is not changed within this timeframe, it will be changed to an F by the Registrar's office.

Academic Warning

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

End of the first semester	1.00
End of the second semester	1.50
End of the third or subsequent semester	1.85

Students on academic warning may not register for more than five (5) courses in one semester. They may be removed from academic warning by meeting the above criteria.

Academic Dismissal

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

End of the second semester	1.30
End of the third or subsequent semester	1.50

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) and may recommend either that they continue on academic warning or discontinue their studies at the College. 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.

Readmission

All students who have been dismissed from the College for academic reasons may reapply for admission through the Vice President for Academic Affairs after a lapse of at least one semester and with demonstrated success (C or better) in at least two courses in which low grades were received.

Appeal of Grade Received

When a student believes strongly that the grade received was less than what should have been due to error or deliberate action, the student must appeal the grade 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.

Dean's List

The dean's list, published each semester, includes all full-time students (12 or more credit hours) whose grade point average is 3.20 or higher with no grade below a C and no incomplete (I) grades.

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).

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 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 or associate 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 300-400 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. However, Math and Science courses must have a grade of C or better earned within the last 7 years to be transferable.

Transfer credit will not be computed into the student's cumulative grade point average.

Associate Degree "Step-out" Option

Students who are admitted, matriculated, and enrolled into a particular baccalaureate major and who wish to conclude their studies after two years and before completion of their major, may choose to "step-out" and be awarded an Associate in Science or Associate of Arts degree from the College after completing the requisite number of credits. Students eligible for this option must complete the first two years of the prescribed four-year curriculum as described in the catalog. This option is available only to students admitted into the College as bachelor degree students but who are unable for a variety of reasons to continue their bachelor degree studies the next semester until degree completion. Students interested in this option must apply at the Registrar's Office by February 1st of their sophomore year. Listed below are programs/concentrations that provide the "step-out" option:

- B.S. in Business Administration/Computer Information Systems
- B.S. in Business Administration/Financial Accounting
- B.S. in Business Administration/Human Resources
- B.S. in Business Administration/Marketing
- B.S. in Business Administration/Management
- B.S. in Criminal Justice
- B.S. in Legal Studies

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 a 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 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' (Humanities, Social Science, Liberal Arts, Non-Western Culture, Science with lab, Mathematics, English, and Psychology).

A complete listing of general education courses is available from the Registrar's Office.

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 EN 101 English Composition I and

EN 103 Writing about Literature. Freshmen testing determines the student's readiness to enroll in this sequence of courses. Students may be required to enroll in a developmental English course as preparation for the English sequence.

Students may be required to enroll in a developmental mathematics course depending on the results of freshmen testing. Students who have a mathematics requirement in their program of study must satisfactorily complete the developmental mathematics course prior to enrollment in any subsequent mathematics course.

The last competency required of all students is in computers. Incoming students are measured for computer knowledge during the freshmen testing. Students who satisfactorily pass this test will be waived from taking CS 101 Introduction to Computers if it is a required course in their program of study. A higher-level computer science course or elective may be taken. Some of the College's programs currently do not include CS 101 as part of the prescribed curriculum. Consequently, students who need to achieve computer competency will need to enroll in CS 101 at the College or through transfer. All non-Becker courses must be approved by the Registrar prior to enrollment.

Minor

A group of courses taken within one discipline and outside the major is considered a minor. A minor promotes breadth as well as depth in intellectual development and enhances career relevance and preparedness. A minor is completed by earning 18 credits in a well-defined, sequenced set of courses within a field of study other than the student's major discipline. Courses within the minor are selected with the approval of the student's faculty advisor. This option is open only to bachelor's degree students.

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, study skills instruction and workshops, and writing seminars. The professional staff and peer tutors are available to all students.

The Worcester Center is located on the top floor of the Weller Academic Center at 61 Sever Street, extension 231 or 236. The Leicester Center is located on the second floor of the Borger Academic Center, extension 431 or 436.

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.

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.

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 508-791-9241 ext. 236 prior to entering the institution. This will insure the college takes the proper step to ensure reasonable accommodations.

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 F for that course.

Course Changes

Changes in course registration may be made during the add/drop period by securing a change of course form from the registrar. Students who fail to get the proper approval or to return the form will not receive credit for the course involved. 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, WF or F.

Complete Withdrawals

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 complete withdrawal.

Repeated Courses

A student may request permission to retake a course at the College in which he or she received a low grade. Only the more recent grade will count in the student's grade point average. With prior approval from the Registrar, a student may repeat an equivalent course at another college. This will be treated as transfer credit. The original grade will remain on the transcript, but will not be counted in the grade point average.

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.

Full-time Student Status

All full-time students (12 or more credit hours) are permitted to enroll for a maximum of six (6) courses or eighteen (18) credit hours, whichever is more, per semester, unless they are on academic warning. 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 and the registrar to take more than six (6) courses or eighteen (18) credit hours. In such a case, the student will be charged an additional tuition fee at the part-time student rate.

Leave of Absence Policy

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;
- For a leave of absence granted prior to the 12th week of a semester, no semester grades will be recorded on the student's transcript;
- 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.

Part-time Students

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.

Accelerated and Professional Studies

Working professionals interested in completing a Bachelor's Degree in Management now have an option to complete their degrees in half the time traditional degree programs take. In 18-20 months students attend class one night per week for four hours, working with teams in a workshop oriented classroom to complete their degrees.

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 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, who also has catalogs and schedules of courses offered at the other member schools.

School-to-Work Program

In 1994, the President signed the School-to-Work Opportunities Act. The purpose of this act is to encourage states to build statewide systems of school-to-work programs. As part of this effort in Massachusetts, and in keeping with the Massachusetts Education Reform Act, Becker College has entered into articulation agreements with area high schools. These agreements recognize for college credit certain courses taken at the cooperating high schools upon enrollment at Becker College, provided the student meets the stipulated conditions. For more information on this program, contact the guidance office at the following high schools:

Athol High School
Auburn High School
Bay Path Vocational High School
Blackstone Regional Vocational HS
Brewster High School (Brewster, NY)
Clinton High School
Coventry High School
Doherty High School
Fitchburg High School
Gardner High School
Grafton High School

Leominster High School
Lunenburg High School
Millbury High School
Oakmont Regional High School
Oxford High School
Shrewsbury High School
South Windsor Connecticut HS
Wachusett Regional High School
Westboro High School
Worcester Public High Schools
Worcester Vocational

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. It is recommended that students be permitted no more than 4-5 contact hours of absence in any course.

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, 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.

Transcripts

The College will send one official transcript of grades free of charge. Additional copies may be secured upon payment of \$5.00 per copy. All requests should be made in writing and sent with payment to the Registrar's Office at 964 Main Street, Leicester MA 01524.

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.

The Walt Disney World College Education Program

Becker is a host site for the Walt Disney World College Program. Students selected will participate in a fall, spring or summer education experience and attend eight (8) three-hour core business seminars facilitated by the Disney University College Program coordinator. In order to qualify for this unique program, a student must have a 2.3 cumulative grade point average, earned 24 credit hours toward degree completion, and receive the approval of his/her academic advisor, Department Chair and Division Dean. A student may earn up to 12 credits for the fall/spring co-op sequence or 3 credits for the summer co-op sequence. While at Disney World, each student will be required to complete an American Council of Education (ACE) approved course for three academic credits which will be included in the total credit count as above. In some cases, an additional semester at the College may be necessary in order to complete all degree requirements.

Career Internship

Becker offers students an opportunity for experience in their career field through an internship arranged by the College. Generally, a limited number of hours per week 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 2.30 cumulative grade point average and prior approval are required for participation. Students who participate in a career internship are not allowed to take part in the Walt Disney World College Education Program.

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.)

Academic Services

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 a MAC lab used for graphic design, a Microsoft Certification Lab, a nursing lab with testing software, general-purpose units located in the library, and units located in the Centers for Academic Success. 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 in addition to a smaller lab for student use and the Swan Library has general-purpose units.

Faculty

Members of the Becker faculty are committed to personalized 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, 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, early childhood, sports management and elementary education, 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 66,000 books, periodical indexes, microforms and nonprint materials. Approximately 480 journals and periodicals are held; 324 are received. Serial holdings are listed in the Worcester Area Union List of Serials, a publication of ARC (Academic & Research Collaborative), a division of the Colleges of the Worcester Consortium. Classroom instruction is supported through the distribution of audiovisual equipment for faculty.

Library Reference Assistance

Librarians assist patrons interested in research and the use of the collections, provide information in course-related bibliographic instruction, assist with computer searches of selected databases and submit interlibrary loans through the libraries' membership in ARC. Through the joint efforts of ARC, 16 academic, public and special libraries foster the sharing of resources and assistance in the use of information technology.

Library Resource Sharing

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

Becker College's online catalog provides computer access from library terminals to library catalog data in each library through its Multilis system.

Students also have access to specialized research databases on the World Wide Web via the Internet on computers located in the libraries.

ROTC and Becker College

The Army Reserve Officers' Training Corps and Becker College have formed a partnership that enables Becker College students to participate in the program and become commissioned Army officers.

Becker students who meet the high academic and athletic standards required by ROTC can be accepted into the Worcester program based at Worcester Polytechnic Institute, less than a mile away from Becker's Worcester campus. The cadets participate in events like rappelling, field training exercises, physical training and hands-on leadership lessons each semester.

Many cadets receive financial assistance with their participation. ROTC offers four-year scholarships to high school seniors, three-year scholarships to college freshmen and two-year scholarships to sophomores. In addition, ROTC provides a monthly tax-free stipend and an allowance for books and lab fees. Once participants have graduated, they are guaranteed employment as an officer while they fulfill their obligation to the Army. They have a choice of working in 16 occupational specialties in the Army, such as in communications or the nursing field. When they are ready to look for employment in the civilian world, their ROTC background is impressive on their resumes and makes them more marketable since they have leadership experience under their belts.

To find out more about this program, contact the ROTC officer in charge at (508) 831-5268.

Academic Programs

Becker College offers a diverse selection of programs within three divisions: Health Sciences, Humanities and Sciences, and Management and Criminal Justice. 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 in the Registrar's office. 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.

Health Sciences Division

[Bachelor of Science in Exercise Science](#)

[Health and Fitness Concentration](#)

[Bachelor of Science in Veterinary Science](#)

[Veterinary Science Major](#)

[Clinical Medicine Concentration](#)

[Laboratory Animal Medicine Concentration](#)

[Pre-Veterinary Concentration](#)

[Equine Studies Major:](#)

[Riding Instruction Concentration](#)

[Facilities Management Concentration](#)

[Basic Science Concentration](#)

[Associate Degree Programs](#)

[Animal Care](#)

[Nursing \(RN\)](#)

[Veterinary Technology](#)

[Special Programs](#)

[Pre-Health Science](#)

Humanities and Sciences Division

Department of Humanities and Languages

Degree Programs

[Bachelor of Arts in Liberal Arts](#)

Associate Degree Programs

[Liberal Arts](#)

[Liberal Studies](#)

Disciplines

English, Spanish, History, Government, Philosophy and Ethics

Department of Teacher Education and Family Studies

Licensure & Degree Programs

[Early Childhood Education Program: Bachelor of Arts in Psychology](#)

[Elementary Education Program: Bachelor of Arts in Liberal Arts](#)

Non-licensure Degree Programs

[Early Childhood Education Program: Bachelor of Arts in Psychology](#)

[Early Childhood Education Program: Associate Degree](#)

[Elementary Education Program: Bachelor or Arts in Liberal Arts](#)

[Bachelor of Arts in Psychology](#)

[Bachelor of Arts in Psychology: Honors Program](#)

Disciplines

Education, Psychology, Sociology

Department of Natural Sciences and Mathematics

Disciplines

Biology, Chemistry, Mathematics

Management and Criminal Justice Division

Bachelor of Arts in Design

Graphic Design Concentration

Interior Design Concentration

Interactive Entertainment Major:

Computer Game Design Concentration

Computer Game Development & Programming Concentration

Bachelor of Science in Business Administration

Computer Information Systems Concentration

Equine Management Concentration

Financial Accounting Concentration

Hospitality and Tourism Management Concentration

Human Resources Concentration

Marketing Concentration

Management Concentration

Sports Management Concentration

Bachelor of Science in Criminal Justice

Forensics/Crime Scene Processing Concentration

Bachelor of Science in Legal Studies

Associate Degree Programs

Paralegal Studies

Undecided

Academic Programs

Health Sciences Division

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 taking a variety of certifications, such as Advanced Personal Trainer, Health and Fitness Instructor, Weight Management Consultant, or Strength and Conditioning Specialist. Additionally, the Health and Fitness concentration program provides senior students with practicum opportunities in a setting of individual interest. These practicum sites include but are not limited to health and wellness facilities, corporate and commercial fitness clubs, college athletic teams, or hospital cardiac rehabilitation.

Another career option for Exercise Science students is to attend professional graduate schools in allied health fields. The students who intend to pursue graduate schools need to work with their advisors or program director closely for the selection of the elective courses to ensure that they will meet the admission requirements of graduate programs.

Health and Fitness Concentration

Send us mail at health_and_fitness@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CS 101 Introduction to Computers or Elective	3	CS 103 Computer Applications	3
EN 101 English Composition I	3	EN 103 Writing Literature	3
		PY 101 Introduction to Psychology	3
SO 101 Introduction to Sociology	3	MA 120 College Algebra	3
SM 232 Intro. to Sports Science	3	KN 150 Stress Management	3
KN 108 Aerobics	1	KN 100 Skill Elective	1
KN 101 Conditioning	1		
BC 101 First Year Experience	2		
	16		16

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
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BI 253	Anatomy & Physiology I	4	BI 254	Anatomy & Physiology II	4
KN 210	Nutrition	3	KN 222	Emergency Responder	3
KN 225	Human Structure & Function	3	KN 224	Fitness for Life	3
EN 150	Effective Communications or		KN 275	Advanced Personal Trainer	4
EN 203	Public Speaking	3	KN 100	Skill Elective	2
MA 220	Statistics	3			
		16			16

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
KN 223	Personal & Community Health	3	KN 330	Exercise Physiology	4
PY 370	Sports Psychology	3	KN 325	Drugs and Society	3
	Elective (Marketing or Advertisement)	3		Elective (Humanities - above 300 Level)	3
	Elective (Non-Western Culture)	3		Elective (Humanities - above 300 Level)	3
	Elective (Humanities - above 300 Level)	3	KN 100	Skill Elective	1
		15			14

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
KN 480	Assessment & Prescription in Health & Fitness	4	KN 350	Human Sexuality	3
KN 415	Principals of Strength and Conditioning	3	KN 321	Consumer Health	3
SM 410	Sports Facility Management	3	KN 498	Practicum in Health and Fitness	6
	Elective (Social Science)	3		Elective (Humanities - above 300 Level)	3
	Elective (Humanities - above 300 Level)	3			
		16			15
			Total Credits:		124

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. The course requirements for the freshman and sophomore years are outlined in the catalog associate degree programs under Veterinary Technology. Graduates of other associate degree programs in Veterinary Technology accredited by the American Veterinary Medical Association may transfer directly into the bachelor's degree program.

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.

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 two concentration options available are Clinical Medicine and Laboratory Animal Medicine. 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.

Send us mail at veterinary_technology_veterinary_science@beckercollege.edu or click [here](#) to be placed on our mailing list.

[Animal Health Programs](#) department page.

Clinical Medicine Concentration

The Clinical Medicine concentration is designed to further enhance the student's knowledge of nutrition, animal husbandry, nursing, zoonotic diseases and preventative 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.

Send us mail at laboratory_animal_medicine@beckercollege.edu or click [here](#) to be placed on our mailing list.

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CH 303 Biochemistry	3	VS 320 Clinical Animal Behavior	3
PI 320 Ethics in Veterinary Medicine or Elective (Humanities/Social Science)	3	BI 301 Cell Biology	3
BI 252 Microbiology	4	VS 340 Immunology	3
VS 341 Pathophysiology of Disease	3	Elective (Veterinary Science)	3
Elective (English or Non-Western Culture)	3	Elective (English or Non-Western Culture)	3
		Elective (Math or Computer Science)	3
	16		18

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
BI 350 Genetics	3	VS 490 Preceptorship Option I or	12
PI 320 Ethics of Veterinary Medicine or Elective (Humanities/Social Science)	3	VS 491 Preceptorship Option II and Elective or	9/3
VS 360 Veterinary Nutrition	3	VS 492 Preceptorship Option III and 2 Electives	6/6
Elective (Veterinary Science)	6	VS 450 Senior Seminar	2
Elective (Math) or (Computer Science)	3		
	18		14
		Total Credits:	66

Veterinary Science electives include:

BI 321	Primateology
BI 322	Histology
PY 263	Brain and Behavior
VS 310	Laboratory Animal Management
VS 342	Advanced Veterinary Nursing Techniques
VS 345	Pain Medicine
VS 412	Laboratory Animal Diseases
VS 441	Companion Animal Diseases
AN271	Equine Anatomy & Physiology

Mathematics electives include:

BI 320	Biostatistics
MA 222	Calculus

Computer Science electives include:

CS 103	Computer Applications
CS 210	Internet
CS 220	Desktop Publishing

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 courses include all courses with an AN, AS, BI, MA, CH, PI, PY and VS 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, meeting the requirements for most Veterinary Schools as well as the requirements for the two-year, AVMA-accredited program in Veterinary Technology. Students are advised that the requirements of each Veterinary School are different, and that they may need to take additional courses to meet the 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.

Freshman Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
BI 101	Biology 1	4	BI 102	Biology 2	4
CH 101	Chemistry I	4	CH 102	Chemistry II	4
EN 101	English Composition 1	3	EN 103	Writing about Literature	3
BC 101	First Year Experience	2	*CS 101	Introduction to Computers	3
MA 120	College Algebra	3	MA 222	Calculus	3
		16			17

** If placement test is passed, choose an open, 3 credit elective.*

Sophomore Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
AS 111	Clinical Veterinary Experience I	4	AS 112	Clinical Experience II	4
BI 105	Anatomy and Physiology of Domestic Animals I	4	BI 106	Anatomy & Physiology of Domestic Animals II	4
CH 210	Organic Chemistry I	4	CH 211	Organic Chemistry II	4
	HU/SS elective (2)	6	AS 120	Veterinary Pharmacology	2
				English or Non-western Culture Elective	3
		18			17

Junior Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
AS 201	Veterinary Radiology or		AS 200	Laboratory Animal Science	2
AS 250	Veterinary Anesthesia and Surgery	2/3	AS 201	Veterinary Radiology or	
AS 211	Veterinary Hematology or		AS 250	Veterinary Anesthesia and Surgery	2/3
AS 212	Clinical Pathology	4	AS 211	Veterinary Hematology or	
AS 221	Farm Animal Practice	2	AS 212	Clinical Pathology	4
PI 320	Ethics in Veterinary Medicine	3	VS 320	Advanced Animal Behavior	3
				English/Non-western Culture elective	3

VS 341	Pathophysiology	3	HU/SS Elective	3
AS 290	Internship	3		
		17/18		17/18

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CH 303 Biochemistry	3	BI 301 Cell Biology	3
BI 252 Microbiology	4	VS 340 Immunology	3
VS 360 Veterinary Nutrition	3	PH 202 Physics II	4
BI 350 Genetics	3	VS 450 Seminar	2
PH 201 Physics I	4	VS 492 Preceptorship	6
	17		18
		Total Credits:	138

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 at the time the student enters the program.

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 be 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

Freshman Year

Fall Semester

*Credit
Hours*

BI 101- Biology I	4
BC 101 - Freshman Experience	2
EQ 101 - Foundations in Riding I	3
AN 161 - Intro. to Equine Handling	3
PY 101 - Intro to Psychology	3
	15

Spring Semester

*Credit
Hours*

BI 102 - Biology II	4
AN 140 - Intro. to Animal Science	3
EQ 102 - Foundations in Riding II	3
PY 286 – Educational Psychology	3
EN 101 - English Comp 1	3
	16

Sophomore Year

Fall Semester

*Credit
Hours*

AN 241 - Domestic Animal Nutrition	3
EQ 201 - Principles of Riding Instruction I	3
AN 271 - Equine A & P	3
MA 120 - College Algebra	3
EN 103 - Writing about Literature	3
	15

Spring Semester

*Credit
Hours*

AN 222 - Domestic Animal Behavior	3
EQ 202 - Principles of Riding Instruction II	3
AN 251 - Animal Breeding	3
AN 243 - Equine Nutrition	3
MG 220 - Intro to Management	3
	15

Junior Year

Fall Semester

*Credit
Hours*

MG 281 - Fundamentals of Farm and Stable Management	3
AC 101 - Accounting Principles	3
EQ 301 - Principles of Riding Instruction III	4
EQ 310 - Equine Behavior	3
Humanities elective	3
	16

Spring Semester

*Credit
Hours*

VS 371 - Equine Conformation and Biomechanics	3
EQ 320 - Basic Training Methods	3
EQ 220 - Equine Industry and the Law	3
CS 101 - Intro. to Computers or test out and substitute an open elective	3
English Elective (200s +)	3
	15

Senior Year*Fall Semester**Spring Semester*

	<i>Credit Hours</i>		<i>Credit Hours</i>
Nonwestern Culture elective	3	VS 421 - Equine Pathology and Disease	3
EQ 420 - Training Under Saddle	4	EQ 490 - Internship	6
Humanities elective	3	Humanities elective	3
Social Science elective	3	Open Elective	3
Open Elective	3		
	16		15
		Total Credits	123

Equine Studies with Facilities Management Concentration**Freshman Year***Fall Semester**Spring Semester*

	<i>Credit Hours</i>		<i>Credit Hours</i>
EN 101 - English Composition 1	3	EN 103- Writing about Literature	3
BI 101 - Biology I	4	BI 102 - Biology II	4
BC 101 - Freshman Experience	2	AN 140 - Intro. to Animal Science	3
MA 120 - College Algebra	3	AN 161 - Intro. to Equine Handling	3
CS 101 - Intro. To Computers or test out and substitute an Open elective	3	Social Science elective	3
	15		16

Sophomore Year*Fall Semester**Spring Semester*

	<i>Credit Hours</i>		<i>Credit Hours</i>
AN 241 - Domestic Animal Nutrition	3	AN 222 - Domestic Animal Behavior	3
MK 214 - Marketing	3	MG 220 - Principles of Management	3
AN 271 - Equine A & P	3	AN 251 - Animal Breeding	3
AC 101 - Accounting Principles	3	AN 243 - Equine Nutrition	3
Humanities elective	3	Open Elective	3
	15		15

Junior Year*Fall Semester**Credit
Hours*

MG 281- Fundamentals of Farm
and Stable Management 3
 CS 103 - Computer Applications 3
 LA 127 - Contract Law 3
 MA 220 - Statistics 3
 English Elective (200s +) 3

15

*Spring Semester**Credit
Hours*

VS 371 - Equine Conformation
and Biomechanics 3
 MG 340 - Human Resource
Management 3
 EQ 330 - Feeds and Forage 3
 EQ 220 - Equine Industry and the
Law 3
 Social Science elective 3
 Humanities elective 3

18

Senior Year*Fall Semester**Credit
Hours*

Nonwestern Culture elective 3
 EQ 450 - Equine Facilities
Management 3
 AN 353 - Equine Reproduction
and Breeding 3
 Humanities elective 3
 Open Elective 3

15

*Spring Semester**Credit
Hours*

VS 421 - Equine Pathology and
Diseases 3
 EQ 490 - Internship 6
 EQ 314 - Special Topics in the
Equine Industry 3
 Social Science elective 3

15

Total Credits**124****Equine Studies with Basic Science Concentration****Freshman Year***Fall Semester**Credit
Hours*

EN 101 - English Composition 1 3
 BI 105 - A & P Domestic Animals I 4
 BC 101 - Freshman Experience 2
 MA 120 - College Algebra 3
 CS 101 - Intro. to Computers or
test out and substitute
an open elective 3

15

*Spring Semester**Credit
Hours*

EN 103 - Writing about Literature 3
 BI 106 - A & P Domestic Animals II 4
 AN 140 - Intro. to Animal Science 3
 AN 161 - Intro. to Equine Handling 3
 Social Science elective 3

16

Sophomore Year

Fall Semester

	<i>Credit Hours</i>
AN 241 - Domestic Animal Nutrition	3
BI 101 - Biology I	
AN 271 - Equine A & P	4
AC 101 - Accounting Principles	3
CH 101 - Chemistry I	3
	4
	17

Spring Semester

	<i>Credit Hours</i>
AN 222 - Domestic Animal Behavior	3
BI 102 - Biology II	4
AN 251 - Animal Breeding	3
AN 243 - Equine Nutrition	3
CH 102 - Chemistry II	4
	17

Junior Year

Fall Semester

	<i>Credit Hours</i>
CS 103 - Computer Applications	3
MA 220 - Statistics	4
PH 201 - Physics 1	3
English elective (200s +)	3
Social Science elective	3
	16

Spring Semester

	<i>Credit Hours</i>
VS 371 - Equine Conform. and Biomechanics	3
MA 222 - Calculus	3
Humanities elective	3
PH 202 - Physics 2	4
	13

Senior Year

Fall Semester

	<i>Credit Hours</i>
Nonwestern Culture elective	3
Choose 300/400 science elective	3
Open elective	3
Humanities	3
Social Science elective	3
	15

Spring Semester

	<i>Credit Hours</i>
VS 421 - Equine Pathology and Disease	3
Choose 300/400 science elective	3
Humanities elective	3
EQ 490 - Internship (or choose 3 cr internship EQ 498 and 3 cr open elective)	6
	14

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 1 and 2 as open electives.

Associate Degree Programs

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.

Send us mail at animal_care@beckercollege.edu or click [here](#) to be placed on our mailing list.

[Animal Health Programs](#) department page.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AN 101 Kennel Management I	2	AN 102 Kennel Management II	2
AN 103 Animal Care & Management	3	AN 121 Introduction to Grooming	1
AN 111 Animal Health & Structure	2	AN 140 Introduction to Animal Science	3
BI 101 Biology I	4	BI 102 Biology II	4
EN 101 English Composition I	3	*CS 101 Introduction to Computers	3
BC 101 First Year Experience	2	EN 103 Writing about Literature	3
	16		16

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AN 200 Introduction to Laboratory Animal Science	2	MA 120 College Algebra	3
AN 220 Dog Obedience or		AN 220 Dog Obedience or	
AN 221 Intermediate Grooming	2	AN 221 Intermediate Grooming	2
AN 241 Animal Nutrition	3	AN 222 Domestic Animal Behavior	3
AN 290 Career Internship	3	AN 251 Animal Breeding	3
MG 250 Small Business Management	3	Elective (Humanities/Social Science)	3
Elective (Humanities/Social Science)	3	Elective (Humanities/Social Science)	3
	16		17

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.

** If placement test is passed, choose an open, 3 credit elective.*

Nursing

Accredited by the National League for Nursing, the associate degree Nursing program prepares the student for the National Council Licensure Examination for Registered Nurses. Students acquire nursing skills for the beginning level of practice and graduate with the competencies to assume the role of a registered nurse in the direct care of patients who have common, well-defined health needs with predictable outcomes.

Approved by the Massachusetts Board of Registration in Nursing, the nursing and liberal arts curriculum provides a sound, progressive, quality education. Learning takes place within a structured, but flexible setting under the guidance of the nursing faculty and includes experience in a variety of clinical affiliations. Above all, the student is prepared to enter the nursing profession as a competent caring individual and contributing community citizen.

Send us mail at nursing@beckercollege.edu or click [here](#) to be placed on our mailing list.

Click [here](#) to read the Nursing FAQ.

Freshman Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
BI 253	Anatomy & Physiology I	4	BI 252	Microbiology	4
BC 101	First Year Experience	2	BI 254	Anatomy & Physiology II	4
NU 113	Health Assessment	3	NU 115	Nursing II	10
NU 114	Fundamentals of Nursing	4			
PY 117	Human Growth and Development	3			
		16			18

Sophomore Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
CS 101	Introduction to Computers *	3	EN 103	Writing about Literature	3
NU221	Nursing III	10	NU 222	Nursing IV	10

PY101	Introduction to Psychology	3	NU 225	Nursing Seminar	2
EN 101	English Composition 1	3	SO 101	Introduction to Sociology	3
		19			18
				Total Credits:	71

*** if test out, replace with open elective**

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

Nursing students who need to achieve computer competency will need to enroll in CS 101 at the College or through transfer. All non-Becker courses must be approved by the Registrar prior to enrollment.

Additional Requirements

Cardiopulmonary Resuscitation Provider Certification Level C (American Heart Association)

Criminal Record Investigation (CORI) is conducted after acceptance into the nursing program. Students are advised that when the investigation reveals a history of a felony or selective misdemeanors, the Board of Registration in Nursing will bar initial licensure.

Medical documentation of:

1. An annual physical exam conducted by September 1 of the entering year.
2. Inoculation against Measles, Mumps and Rubella (2 doses) or a blood titer level indicating immunity.
3. An annual screening for Tuberculosis indicating non-exposure.
4. A positive Tuberculosis screening requires a follow-up chest x-ray which must be physician documented.
5. A Tetanus booster within 7 years.
6. Hepatitis series of 3 inoculations: 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.

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.

Veterinary Technology

A Veterinary Technician is a graduate of a two-year, AVMA-accredited program in Veterinary Technology who has knowledge of applied science and specialized training in animal health, care and management. Graduates of the program are qualified to perform a wide range of technical

medical skills and may be employed in veterinary practices, research and academic institutions, biological laboratories, pharmaceutical companies, public health organizations and zoos. The demand for veterinary technicians continues to exceed the supply of graduates.

An integral part of the program is the Lenfest Animal Health Center. This on-campus veterinary clinic treats 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, farm calls and field trips to shelters 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.

Send us mail at veterinary_technology_veterinary_science@beckercollege.edu or click [here](#) to be placed on our mailing list.

[Animal Health Programs](#) department page.

[Animal Adoptions](#) page.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AS 111 Clinical Veterinary Experience I	4	AS 112 Clinical Experience II	4
BI 105 Anatomy and Physiology of Domestic Animals I	4	BI 106 Anatomy & Physiology of Domestic Animals II	4
CH 101 Chemistry I	4	AS 120 Veterinary Pharmacology	2
BC 101 First Year Experience	2	CH 102 Chemistry II	4
MA 120 College Algebra	3	EN 101 English Composition 1	3
	17		17

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AS 201 Veterinary Radiology or		AS 200 Laboratory Animal Science	2
AS 250 Veterinary Anesthesia and Surgery	2/3	AS 201 Veterinary Radiology or	
AS 211 Veterinary Hematology or		AS 250 Veterinary Anesthesia and Surgery	2/3
AS 212 Clinical Pathology	4	AS 211 Veterinary Hematology or	
AS 221 Farm Animal Practice	2	AS 212 Clinical Pathology	4
*CS 101 Introduction to Computers	3	AS 290 Career Internship	3

	Elective (Humanities/Social Science)	3	Elective (Humanities/Social Science)	3
EN 103	Writing about Literature	3		
		17/18		14/15
			Total Credits:	66

** If placement test is passed, choose an open, 3 credit elective.*

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 a AS, BI, MA, or CH 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. Graduates of an AVMA accredited veterinary technology program are eligible to apply for certification. Technicians who wish to become certified in Massachusetts are required to achieve a qualifying score on the Veterinary Technician National Examination (VTNE).

Research: The Animal Technician Certification Board of the American Association for Laboratory Animal Science certifies technicians working in the research sector. After graduation and 6 months of employment in a research setting, the veterinary technician graduate may sit for the AALAS certification examination.

Special Programs

Pre-Health Science

This program is designed to provide a sound academic base for students interested in qualifying for matriculation into one of Becker's health related programs (i.e., Nursing, Veterinary Technology, and Kinesiology). If students have been away from academics for a significant period of time or do not have the math and science prerequisites this program should help to assure success in the more demanding health sciences. Refer to the required specific Admission Requirements listed under

each health science program. Students will be assigned a faculty advisor related to the program in which the student chooses to enroll.

After the first semester, there will be a review of the student's academic course work and a determination made as to your current progress toward admittance into your chosen health science program.

By satisfactorily completing this one-year pre-health program with a CGPA of 2.00, grades of C or better in the sciences and math, the student will be guaranteed admittance into his/her chosen health science program.

Send us mail at prehealth_science@beckercollege.edu or click [here](#) to be placed on our mailing list.

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
BI 101	Biology I	4	BI 102	Biology II	4
EN 101	English Composition I or		CH 103	Introduction to Chemistry	4
EN 095	Developmental Writing	2/3	EN 101	English Composition I or	
HS 126	Medical Terminology	3	EN 103	Writing about Literature	3
MA 025	Math for Health Science	2	MA 120	College Algebra	3
BC 101	First Year Experience	2			
		13/14			14
			Total Credits:		27/28

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 either a minor area of study or a concentration in Elementary Education to complement the core curriculum and prepare them for specialized employment or graduate work.

Students who elect a minor area of study may select from three curriculum domains: English, Management, or Psychology. Students who graduate with a Bachelor of Arts in Liberal Arts with a Minor in English, Management, or Psychology 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 regular or 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.**

Send us mail at liberal_arts@beckercollege.edu or click [here](#) to be placed on our mailing list.

Bachelor of Arts in Liberal Arts (without certification in Elementary Education)

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CS 101 Introduction to Computers	3	EN 103 Writing about Literature	3
EN 101 English Composition I	3	MA 120 College Algebra	3
HI 138 U.S. History I	3	PI 101 Introduction to Philosophy	3
HU 101 Introduction to the Humanities	3	SO 101 Introduction to Sociology	3
PY 101 Introduction to Psychology	3	Elective (Open)	3
BC101 First Year Experience	2		
	17		15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
BI 101 Biology I with Lab or		AR 103 Art History I or	
CH 101 Chemistry I with Lab or		AR 104 Art History II	3
EM 101 Environmental Science I with Lab	4	BI 102 Biology II with Lab or	
EN 203 Public Speaking	3	CH 102 Chemistry II with Lab or	
GO 118 American Government	3	EM 102 Environmental Science II with Lab	4
PY 102 Developmental		EN 212 Advanced Composition or	
Child Psychology or		Elective (EN 200+)	3
PY 117 Human Growth & Development	3	HI 139 U.S. History II	3
Elective (Minor)	3	SO 240 Social Problems	3
	16		16

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EN 301 American Literature I or		EN 302 American Literature II or	
EN 303 English Literature I	3	EN 304 English Literature II	3
PI 301 Ethics	3	MA 220 Statistics	3
PY 202 Psychology of Personality or		Elective (Non-Western Culture)	3
S0 301 Individual & Society	3	Elective (HU 200+)	3
Elective (HU 200+)	3	Elective (Minor)	3
Elective (Minor)	3		
	15		15

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
HI 310 American Constitutional History	3	AT 320 Cultural Anthropology or	
Elective (English 300 + level)	3	GO 301 Political Theory	3
Elective (Humanities 200 + level)	3	LL 410 Senior Seminar in the Liberal Arts	3
Elective (Minor)	3	PY 340 Abnormal Psychology or	
Elective (Open)	3	PY 342 Child Psychopathology or	
		SO 320 Deviance & Social Control	3
		Elective (Minor)	3

	Elective (Open)	3
15		15
	Total Credits:	124

** 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 be counseled into a minor area of study within the 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 ED 421 (Elementary Education Practicum) and ED 422 (Elementary Education Seminar) in the senior year. Students who are unable to meet these requirements will be counseled into a Liberal Arts degree program with a psychology minor with no loss of credit.

*** 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).

Associate Degree Programs

Liberal Arts

The Liberal Arts program is designed to provide a balanced exposure to the major achievements of mankind in the arts, sciences, humanities and social sciences. The program seeks to provide an appreciation of the philosophical, ethical and aesthetic issues that have evolved in the history of humanity.

The program is designed for students who desire flexibility in selecting courses consistent with their individual needs and interests while providing a breadth and depth of knowledge in the liberal arts. The content of the Liberal Arts program, in most cases, equals the freshman-sophomore requirements of baccalaureate study.

Upon successful completion of this program, the student should be able to demonstrate competence in written and oral English, quantitative reasoning in mathematics and science, and qualitative thinking in logical analysis.

Send us mail at liberal_arts@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EN 101 English Composition I	3	EN 103 Writing about Literature	3

HI 138/ U.S. History I or II or 139		HI 138/ U.S. History I or II or 139	
HI 133/ Western Civilization I 134 Ancient Europe or Western Civilization II Medieval	3	HI 135 Western Civilization III Modern Europe	3
HU 101 Introduction to the Humanities	3	SO 101 Introduction to Sociology	3
PY 101 Introduction to Psychology	3	Elective (Math*)	3
Elective (Art)	3	Elective	3
BC101 First Year Experience	2		
	17		15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
GO 118 American Government	3	PI 101 Introduction to Philosophy	3
Elective (English)	3	Elective (English)	3
Elective (Humanities)	3	Elective (Science**)	4
Elective (Science**)	4	Elective (Social Science)	3
Elective	3	Elective	3
	16		16
		Total Credits:	64

* *Acceptable math elective includes: College Algebra, Precalculus, Statistics, and Contemporary Topics in Math.*

** *Science may be scheduled for either the freshman or sophomore year.*

Liberal Arts students are encouraged to work closely with their faculty advisor to plan their course selections.

Liberal Studies

This program was designed for several purposes: Students entering college may not be sure of a specific career path and may have a specific career goal that does not fit into a prescribed Becker program and may change career goals at some point during their two years at Becker.

The Liberal Studies program will allow a student to (1) explore several different areas of study, (2) design a program that closely matches his/her specific career and educational goals and, (3) continue progress toward an associate degree after one or two semesters in another program without a loss of credit.

Students will work closely with an assigned faculty advisor to assure maximum transferability and maximum application toward future career and educational goals.

Graduates of this program should be able to demonstrate communication skills, should understand scientific and quantitative reasoning and historical and social phenomena, and should have an appreciation of the humanities.

Send us mail at liberal_studies@beckercollege.edu or click [here](#) to be placed on our mailing list.

BC101	First Year Experience	2
EN 101	English Composition I	3
EN 103	Writing about Literature	3
	Social Science	9
	Humanities	9
	Natural or Physical Science	8
	Mathematics	3
	Open Electives	27
	Total	64

Department of Teacher Education and Family Studies Bachelor of Arts

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

Early Childhood Education Program

124

BC101	First Year Experience	2
ED103	Principles of Education	4
ED104	Experiences in ECE Curriculum	4
PY102	Developmental Child Psychology	3
GO118	American Government	3
SO101	Introduction to Sociology	3
ED101	Behavior and the Young Child	3
ED121	Arts in Education	3
EN106	Children's Literature	3
ED204	ECE Management & Administration	3
ED250	Practicum in ECE with Seminar*	6
ED223	Special Needs in the Classroom	3
PY286	Educational Psychology	3
PY287	Assessment & Evaluation of Learning	3
ED290	Internship in Education or	
ED291	Infant/Toddler Internship or	
PY392	Internship in Psychology	3
ED300	Foundations in American Education	3
PY310	Cognitive Psychology	3
PY342	Child Psychopathology	3
PY431	Counseling Children	3
PY460	Senior Seminar in Psychology	3
	Psychology Major Core	15

Early Childhood Education Licensure Program

124

BC101	First Year Experience	2
ED103	Principles of Education	4
ED104	Experiences in ECE Curriculum	4
PY102	Developmental Child Psychology	3
GO118	American Government	3
ED101	Behavior and the Young Child	3
ED121	Arts in Education	3
EN106	Children's Literature	3
ED204	ECE Management & Administration	3
ED250	Practicum in ECE with Seminar*	6
ED223	Special Needs in the Classroom	3
PY286	Educational Psychology	3
PY287	Assessment and Evaluation of Learning	3
ED300	Foundations in American Education	3
ED305	Math & Science: Curriculum and Instruction in ECE	4
ED311	Foundations of Literacy	3
ED310	Reading, Writing & Language in ECE	4
PY310	Cognitive Psychology	3
PY342	Child Psychopathology	3
PY401	Research Methods	3
ED401	Advanced Practicum in ECE	9
ED402	Seminar in ECE	3
	Psychology Major Core	12

Requirements for Teachers	
Open Electives	15
General Education Requirements for Teachers	32

Requirements for Teachers	
Open Electives	3
General Education Requirements for Teachers	32

Psychology Major Core Requirements for Teachers

24

PY101	Introduction to Psychology	3
PY102	Developmental Child Psychology	3
PY201	Psychology of Adjustment	3
PY202	Psychology of Personality	3
PY310	Cognitive Psychology	3
PY320	Psychology of Family	3
PY342	Child Psychopathology	3
PY401	Research Methods or	
SO401	Data Analysis	3

General Education Requirements For Teachers

32

PH101	Integrated Physical Science w/ lab	4
BI111	Issues in Biology w/ lab	4
CS101	Introduction in Computers	3
EN101	English Composition I	3
EN103	Writing About Literature	3
EN203	Public Speaking or	
EN212	Advanced Composition	3
MA120	College Algebra	3
MA220	Statistics	3
	Humanities Elective	3
	Non-Western Culture Elective	3

* Prerequisites apply. Students who do not qualify for admission into this course will be counseled into an alternative, appropriate elective.

Early Childhood Education, Associate Degree Program

65/68

BC101	First Year Experience	2
PY102	Developmental Child Psychology	3
ED103	Principles of Education	4
PY101	Introduction to Psychology	3
ED101	Behavior and the Young Child	3
ED104	Experiences in ECE Curriculum	4

ED121	Arts in Education	3
ED223	Special Needs in the Classroom	3
EN212	Advanced Composition	3
ED300	Foundations in American Education	3
ED291	Optional: Infant/Toddler Internship or	(3)
ED204	ECE Management & Administration	3
ED250	Practicum in ECE with Seminar*	6
EN106	Children's Literature	3
PY286	Educational Psychology	3
	General Education Requirements for Teachers ¹	20

Students who elect to step-out after two years due to unexpected circumstances will obtain an A.A.

¹ Students who are enrolled in the Associate of Science Degree Program are not required to complete the Humanities elective, the Non-western Culture elective, Statistics (MA220) within the General Education Requirements for Teachers.

Elementary Education Program		124	Elementary Education Licensure Program		127
BC101	First Year Experience	2	BC101	First Year Experience	2
ED121	Arts in Education	3	ED121	Arts in Education	3
ED300	Foundations in American Education	3	ED300	Foundations in American Education	3
EN106	Children's Literature	3	PY102	Developmental Child Psychology	3
PY102	Developmental Child Psychology	3	EN106	Children's Literature	3
ED223	Special Needs in the Classroom	3	ED223	Special Needs in the Classroom	3
			PY286	Educational Psychology	3
			PY287	Assessments & Evaluation of Learning	3
PY392	Internship in Psychology ²	3			
PY286	Educational Psychology	3	PY310	Cognitive Psychology	3
PY287	Assessment & Evaluation of Learning	3	ED311	Foundations of Literacy	3
			ED312	Literacy: Curriculum and Instruction in the Elementary School	4
PY310	Cognitive Psychology	3			
	Liberal Arts Major Core Requirements	39	ED330	Science & Social Studies:	4

Open Electives	21	Curriculum and Instruction in the Elementary School	
General Education Requirements for Teachers	32	ED335 Mathematics: Curriculum and Instruction in the Elementary School	4
		ED421 Elementary Education Practicum	6
		ED422 Elementary Education Seminar	3
		Open Elective	3
		Liberal Arts Major Core Requirements	39
		General Education Requirements	38

Liberal Arts Major Core Requirements

General Education Requirements for Teachers

	39		38
AR103 Art History I or		PH101 Integrated Physical Science	4
AR104 Art History II	3	w/lab	
EN301 American Literature I	3	BI111 Issues in Biology w/lab	4
GO118 American Government	3	CS101 Introduction to Computers	3
HI138 U.S. History I	3	EN101 English Composition I	3
HI139 U.S. History II	3	EN103 Writing About Literature	3
HI141 World History I	3	EN203 Public Speaking	3
HI241 World History II	3	EN212 Advanced Composition	3
PI101 Introduction to Philosophy	3	MA120 College Algebra	3
PY101 Introduction to Psychology	3	MA220 Statistics	3
SO101 Introduction to Sociology	3	Humanities Elective	6
SO240 Social Problems	3	Non-Western Culture Elective	3
English Elective 200-level	3		
English Elective 300-level	3		

2 Prerequisites apply. Students who do not qualify for admission into this course will be counseled into an alternative, appropriate elective.

Degree Programs in Psychology

Bachelor of Arts in Psychology

Bachelor of Arts in Psychology Honors Program 3

	124		124
BC101 First Year Experience	2	BC101 First Year Experience	2
SO101 Introduction of	3	SO101 Introduction of Sociology	3

	Sociology				
PY210	Applied Behavioral Analysis or		PY210	Applied Behavioral Analysis	3
ED223	Special Needs in Education or		PY230	Adolescent Psychology	3
ED101	Behavior and the Young Child	3	PY263	Brain and Behavior	3
PY230	Adolescent Psychology	3	ED291	Infant/Toddler Internship or	
ED291	Infant/Toddler Internship or		ED392	Internship in Education or	
ED392	Internship in Education or		PY392	Internship in Psychology 4	3
PY392	Internship in Psychology 4	3	PY335	Group Counseling	3
PY335	Group Counseling	3	PY340	Abnormal Psychology	3
PY436	Counseling Theory and Practice or		PY342	Child Psychopathology	3
PY431	Counseling Children	3	PY401	Research Methods	3
PY 460	Senior Seminar in Psychology	3	PY436	Counseling Theory and	
	Psychology Major Core Requirements	27		Practice or	
	Open Electives	39	PY431	Counseling Children	3
	General Education Requirements	35	PY460	Senior Seminar in Psychology	3
			PY492	Advanced Psychology Internship	9
				Practicum & Seminar	
				Psychology Major Core Requirements	18
				Open Electives	27
				General Education Requirements	35

3 Students must be accepted into this program, following a detailed application process.

4 Prerequisites apply. Students who do not qualify for admission into this course will be counseled into an alternative, appropriate elective.

5 Prerequisites apply. Students who do not qualify for admission into this course will be counseled into an alternative, appropriate elective.

	Psychology Major Core Requirements			General Education Requirements for Psychology	
		27			36
PY101	Introduction to Psychology	3	BI101	Biology I w/lab	4

PY102	Developmental Child Psychology or		BI102	Biology II w/ lab	4
PY117	Human Growth & Development	3	CS101	Introduction to Computers	3
PY201	Psychology of Adjustment	3	EN101	English Composition I	3
PY202	Psychology of Personality or		EN103	Writing About Literature	3
PY215	Social Psychology	3	EN106	Children's Literature or	
PY255	Community Systems & Interventions	3	EN201	Survey of Literature or	
			EN211	Introduction to Literature	3
PY263	Brain and Behavior or		EN203	Public Speaking or	
PY310	Cognitive Psychology	3	EN212	Advanced Composition	3
PY320	Psychology of Family	3	MA120	College Algebra	3
PY340	Abnormal Psychology or		MA220	Statistics	3
PY342	Child Psychopathology	3		Humanities Elective	3
PY401	Research Methods or			Non-Western Culture Elective	3
SO401	Data Analysis or				
CJ401	Research in Criminal Justice	3			

Admission into the Education Licensure Programs: Early Childhood (PK-2) and 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, two letters from individuals who can attest to the applicant's suitability to become a 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 a "a Distinction in Education."

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 PY435 will graduate with a "distinction in Psychology."

Associate Degree Programs

Liberal Arts

The Liberal Arts program is designed to provide a balanced exposure to the major achievements of mankind in the arts, sciences, humanities and social sciences. The program seeks to provide an appreciation of the philosophical, ethical and aesthetic issues that have evolved in the history of humanity.

The program is designed for students who desire flexibility in selecting courses consistent with their individual needs and interests while providing a breadth and depth of knowledge in the liberal arts. The content of the Liberal Arts program, in most cases, equals the freshman-sophomore requirements of baccalaureate study.

Upon successful completion of this program, the student should be able to demonstrate competence in written and oral English, quantitative reasoning in mathematics and science, and qualitative thinking in logical analysis.

Send us mail at liberal_arts@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
BC101 First Year Experience	2		
EN 101 English Composition I	3	EN 103 Writing about Literature	3
HI 138/ U.S. History I or II or 139		HI 138/ U.S. History I or II or 139	
HI 133/ Western Civilization I 134 Ancient Europe or Western Civilization II Medieval	3	HI 135 Western Civilization III Modern Europe	3
HU 101 Introduction to the Humanities	3	SO 101 Introduction to Sociology	3
PY 101 Introduction to Psychology	3	Elective (Math*)	3
Elective (Art)	3	Elective	3
	17		15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
GO 118 American Government	3	PI 101 Introduction to Philosophy	3
Elective (English)	3	Elective (English)	3
Elective (Humanities)	3	Elective (Science**)	4
Elective (Science**)	4	Elective (Social Science)	3
Elective	3	Elective	3
	16		16

Total Credits: 64

* Acceptable math elective includes: *College Algebra, Precalculus, Statistics, and Contemporary Topics in Math.*

** Science may be scheduled for either the freshman or sophomore year.

Liberal Arts students are encouraged to work closely with their faculty advisor to plan their course selections.

Liberal Studies

This program was designed for several purposes: Students entering college may not be sure of a specific career path and may have a specific career goal that does not fit into a prescribed Becker program and may change career goals at some point during their two years at Becker.

The Liberal Studies program will allow a student to (1) explore several different areas of study, (2) design a program that closely matches his/her specific career and educational goals and, (3) continue progress toward an associate degree after one or two semesters in another program without a loss of credit.

Students will work closely with an assigned faculty advisor to assure maximum transferability and maximum application toward future career and educational goals.

Graduates of this program should be able to demonstrate communication skills, should understand scientific and quantitative reasoning and historical and social phenomena, and should have an appreciation of the humanities.

Send us mail at liberal_studies@beckercollege.edu or click [here](#) to be placed on our mailing list.

BC101	First Year Experience	2
EN 101	English Composition I	3
EN 103	Writing about Literature	3
	Social Science	9
	Humanities	9
	Natural or Physical Science	8
	Mathematics	3
	Open Electives	27
	Total	64

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 MAC 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.

Send us mail at graphic_design@beckercollege.edu or click [here](#) to be placed on our mailing list.

[Click here to view Graphic Design Brochure.](#)

Freshman Year

Fall Semester

Credit Hours Spring Semester

Credit Hours

AR 102	Visual Design	3	AR 104	Art History II	3
AR 103	Art History I	3	AR 110	Principles of Drawing	3
AR 131	Principles of Design	3	EN 103	Writing about Literature	3
BC 101	First Year Experience	2	MA 130	Contemporary Topics in Math	3
CS 101	Introduction to Computers	3			
EN 101	English Composition I	3	PY 101	Introduction to Psychology	3
		17			15

Sophomore Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours		
AR 230	Color Theory	3	CO 255	Digital Image Processing	3
AR 250	Digital Photography	3	EN 203	Public Speaking	3
GA 214	Graphic Design I	3	GA 215	Graphic Design II	3
GA 225	Electronic Illustration	3	GA 260	Electronic Graphic Design	3
	Elective (Science)	4		Elective (Science)	4
		16			16

Junior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours		
AR 310	Applied Aesthetics	3	CO 335	Advanced Web Design	3
CO 330	Introduction to Web Design	3	CO 353	Web Design / Multimedia	3
GA 314	Graphic Design III	3	GA 352	Electronic Pre-Press	3
GA 340	Typography	3	MK 211	Adversiting	3
GA 370	Advertising Design I	3	GA 372	Advertising Design II	3
		15			15

Senior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours		
AR 400	Integrated Team Project	3	AR 401	Capstone Project	3
GA 410	Corporate Design	3	AR 410	Design Portfolio	3
	Elective (Art)	3	AR 450	Career Internship or	
	Elective (Humanities)	3		Elective	3
	Elective (Non-Western Culture)	3		Elective (Art)	3
		15		Elective (Humanities)	3
					15
			Total Credits:		124

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.

Send us mail at interior_design@beckercollege.edu or click [here](#) to be placed on our mailing list.

[Click here to view Interior Design Brochure.](#)

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
AR 102 Visual Design	3	AR 104 Art History II	3
AR 103 Art History I	3	EN 103 Writing about Literature	3
AR 131 Principles of Design	3	ID 136 Drafting	3
BC 101 First Year Experience	2	MA 130 Contemporary Topics in Math	3
CS 101 Introduction to Computers	3		
EN 101 English Composition I	3	PY 101 Introduction to Psychology	3
	17		15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AR 230 Color Theory	3	ID 233 Decorative Arts II	3
AR 250 Digital Photography	3	AR 239 Rendering & Presentation	3
ID 231 Interior Design Studio I	3	ID 241 Interior Design Studio II	3
ID 232 Decorative Arts I	3	ID 250 Design Materials	3
ID 310 CAD I	3	ID 320 CAD II	3
	15		15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AR 310 Applied Aesthetics	3	ID 242 Textiles	3
ID 360 Interior Design Studio III	3	EN 203 Public Speaking	3
ID 370 Building Systems	3	ID 361 Interior Design Studio IV	3
MG 100 Introduction to Business	3	Elective (Humanities)	3
Elective (Science)	4	Elective (Science)	4
	16		16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AR 400 Integrated Team Project	3	AR 401 Capstone Project	3
ID 410 Lighting	3	AR 410 Design Portfolio	3
Elective (Art)	3	Elective (Art)	3
Elective (Humanities)	3	AR 450 Career Internship or	
Elective (Non-Western Culture)	3	Elective (open)	3
		Elective (Art)	3
	15		15
		Total Credits:	124

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.

Send us mail at admissions@beckercollege.edu or click [here](#) to be placed on our mailing list.

[Click here to view Game Design Brochure.](#)

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AR 102 Visual Design	3	GD 102 Introduction to Game Design	3
AR 120 The Visual Experience	3	AR 110 Principles of Drawing	3

AR 131	Principles of Design	3	EN 103	Writing/Literature	3
BC101	First Year Experience	2	MA 220	Statistics	3
EN 101	English Composition	2			
MA 120	Algebra	3	CS 110	Introduction to Programming	3
		17			15

Sophomore Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
AR 210	Drawing II	3	GD 230	3D Animation	3
AR 230	Color Theory	3	GD 240	Storyboarding for Animation	3
CS 140	Programming in C++	3	AR 280	Life Drawing	3
GD 220	2D Animation	3	PY 101	Introduction to Psychology	3
MG 100	Introduction to Business	3	MG 220	Principles of Management	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
AR 310	Applied Aesthetics	3	GD 350	Computer Illustration for Game Design	3
GP 330	Game Production / Prototyping	3	GD 310	Digital Audio / Video	3
CO 330	Introduction to Web Design	3	CO 335	Advanced Web Design	3
GA 225	Electronic Illustration	3	EN 203	Public Speaking	3
	Elective (Science/lab)	4		Elective (Science/lab)	4
		16			16

Senior Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
GD 481	Sr. Game Project I	3	GD 482	Sr. Game Project II	3
AR 450	Career Internship or Elective	3	AR 410	Design Portfolio	3
	Elective (Art)	3	MG 301	Production / Operation Mgmt.	3
	Elective (Non-Western)	3		Elective (Art)	3
	Elective (Humanities)	3		Elective (Humanities)	3
		15			15
				Total Credits:	124

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.

Send us mail at admissions@beckercollege.edu or click [here](#) to be placed on our mailing list.

[Click here to view Game Development and Programming Brochure.](#)

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AR120 The Visual Experience	3	GD 102 Introduction to Game Design	3
BC101 First Year Experience	2		
EN 101 English Composition	3	AR 110 Principles of Drawing	3
MA120 College Algebra	3	EN 103 Writing/Literature	3
MG100 Introduction to Business	3	MA 220 Statistics	3
PY 101 Introduction to Psychology	3	CS 110 Introduction to Programming	3
	17		15

Sophomore Year

<i>Fall Semester</i>	<i>Credit</i>	<i>Spring Semester</i>	<i>Credit</i>
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	<i>Hours</i>		<i>Hours</i>
AR 250 Digital Photography	3	GD 240 Storyboarding for Animation	3
CS 140 Programming in C++	3	EN 232 Short Story	3
MA201 Functions & Pre-Calculus	3	CS 230 Data Structures	3
PH 201 Introduction to Physics (w/lab)	4	MG220 Principles of Management	3
Elective (Open)	3	Elective (Art)	3
	16		15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
GP 330 Game Production / Prototyping	3	GD 350 Computer Illustration for Game Design	3
GD220 2D Animation	3	GD 230 3D Animation	3
GP 310 Game Programming I	3	GD 310 Digital Audio / Video	3
PI 301 Ethics	3	GP 312 Game Programming II	3
Elective (Humanities)	3	EN 203 Public Speaking	3
	15		15

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
GD481 Sr. Game Project I	3	GD 482 Sr. Game Project II	3
CS 440 Active X and Java	3	GP 460 Operating System Components	3
Elective (Art)	3	CS 482 Artificial Intelligence	3
Elective (Non-Western)	3	MG 301 Production / Operation Mgmt.	3
Elective (Science/lab)	4	Elective (Humanities)	3
	16		15
		Total Credits:	124

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 on each student's career objectives.

Send us mail at computer_info@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	CS 210 Internet	3
BC 101 First Year Experience	2	EM 102 Environmental Science II	
CS 103 Computer Applications	3	or	
*			
EM 101 Environmental Science I or Elective (Science)	4	Elective (Science)	4
EN 101 English Composition	3	EN 103 Writing about Literature	3
MG 100 Introduction to Business	3	EN 150 Effective Communications	3
	18	MA 120 College Algebra	3
			16

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CS 140 Programming in C++	3	CS 202 Advanced Spreadsheet and Database	3
EC 101 Microeconomics	3	CS 230 Data Structures	3
GA 225 Electronic Illustration	3	CS 262 Managing and Maintaining PC's	3
MK 214 Marketing	3	GA 260 Electronic Graphic Design	3
PY 101 Introduction to Psychology	3	LA 225 Legal Aspects of Business	3

15

15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CS 360 Networking I	3	CS 350 Technical Aspects of E-Commerce	3
CO 330 Introduction to Web Design	3	Open Elective	3
MA 220 Statistics	3	Open Elective	3
MK 301 Marketing Management	3	Elective (Marketing/Mgmt.)	3
Elective(Humanities/ Social Science)	3	Elective (Humanities)	3
	15		15

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CS 460 Networking II	3	CS 455 Web Commerce Databases	3
CS 470 Customer Service Skills	3	MG 410 Business Policy	3
MG 380 Management Information Systems	3	Open Elective	3
Elective (Non-Western Culture)	3	Open Elective	3
Elective (Humanities/Soc. Sci.)	3	Elective (Social Science)	3
	15		15
		Total Credits:	124

* Students entering the four-year Computer Information Systems concentration are expected to possess a level of computer skills and knowledge that would allow them to pass the waiver test of Introduction to Computers, CS101. That is to say, they should have basic computer literacy and understand the Internet, and popular microcomputer applications such as E-mail and word processing.

For those who did not pass, but whose test scores are not extremely low, they will be required to take Introduction to Computers in the freshman fall semester, instead of Computer Applications. Computer Applications will then be taken in the spring semester.

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. Students will be required to work in a Becker associated stable caring for the horses on a daily basis. Some of the equine required

courses will involve hands on work. In addition the student has the opportunity to take free electives (i.e. not required toward the degree) in equitation, dressage and other riding modalities.

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.

Freshman Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
AC101	Accounting Principles	3	AN161	Introduction to Equine Handling and Management	3
CS101	Introduction to Computers	3	CS103	Computer Application	3
EN101	English Composition I	3	EN103	Writing about Literature	3
MG100	Introduction to Business	3	MA120	College Algebra	3
	Elective (Humanities/Social Science)	3	PY101	Introduction to Psychology	3
BC101	First Year Experience	2			
		17			15

Sophomore Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
AN271	Equine Anatomy and Physiology	3	EC102	Macroeconomics	3
EC101	Microeconomics	3	LA225	Legal Aspects of Business	3
MG281	Fundamentals of Farm and Stable Management	3	MG220	Principles of Management	3
MA220	Statistics	3	AN243	Equine Nutrition	3
MK214	Marketing	3		Elective (Humanities/Social Science)	3
		15			15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EM101 Environmental Science I or Elective (Science)	4	EM102 Environmental Science II or Elective (Science)	4
MA370 Quantitative Methods in Management	3	EN203 Public Speaking	3
MG320 Financial Management	3	VS371 Equine Biomechanics and Conformation	3
AN353 Equine Reproduction and Breeding Management	3	MG310 International Business	3
Elective (Humanities/Social Science)	3	MG340 Human Resource Management	3
	16		16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
MG325 Organizational Behavior	3	MG410 Business Policy	3
MG380 Management Information Systems	3	MG421 Compensation and Benefits	3
MK330 Principles of Sales	3	VS421 Equine Pathology and Disease	3
PI301 Ethics or		Elective (Social Science)	3
PI320 Ethics in Veterinary Medicine	3	Elective (Humanities)	3
Elective (Non-Western Culture)	3		15
	15	Total Credits:	124

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.

Send us mail at business_administration@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	AC 102 Accounting Principles II	3
CS 101 Introduction to Computers	3	CS 103 Computer Applications	3

EN 101	English Composition I	3	EN 103	Writing about Literature	3
MG 100	Introduction to Business	3	MA 120	College Algebra	3
	Elective (Humanities/Social Science)	3	PY 101	Introduction to Psychology	3
BC101	First Year Experience	2			
		17			15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
AC 212	Intermediate Accounting I	3	AC 213	Intermediate Accounting II	3
CS 202	Advanced Spreadsheet and Database	3	EC 102	Macroeconomics	3
EC 101	Microeconomics	3	LA 225	Legal Aspects of Business	3
EN 150	Effective Communications	3	MG 220	Principles of Management	3
MA 220	Statistics	3		Elective	3
		15			15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
AC 310	Advanced Accounting	3	AC 320	Cost Accounting	3
EM 101	Environmental Science I or Elective (Science)	4	EM 102	Environmental Science II or Elective (Science)	4
MA 370	Quantitative Methods in Management	3	EN 203	Public Speaking	3
			MG 301	Production & Operations Management	3
MG 320	Financial Management	3		Elective (Accounting or Business)	3
MK 301	Marketing Management	3			
		16			16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
AC 410	Accounting Research	3	AC 430	Auditing	3

AC 420	Federal Taxation I	3	MG 410	Business Policy	3
MG 380	Management Information Systems	3	SO 401	Data Analysis	3
PI 301	Ethics	3		Elective (Accounting or Business)	3
	Elective (Humanities)	3		Elective (Non-Western Culture)	3
		15			15
				Total Credits:	124

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.

Students may also have the opportunity to participate in the Walt Disney World College Program in Lake Buena Vista, FL. This program is a unique educational, work and interpersonal relationship program, specially designed to increase practical knowledge of the leisure industry.

The program provides a rare opportunity for college students to learn firsthand from the leader of the industry — the Walt Disney Company — about the exciting challenges presented by this field.

Send us mail at hospitality_tourism@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
CS 101	Introduction to Computers	3	CS 103	Computer Applications	3
EN 101	English Composition I	3	EN 103	Writing about Literature	3
HT 101	Introduction to Hospitality & Tourism	3	HT 110	Travel Geography	3
MA 120	College Algebra	3		Restaurant and Catering Management	3
MG 100	Introduction to Business	3	HT 124	Rooms Division Management	3
BC101	First Year Experience	2			

17

15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	AC 102 Accounting Principles II	3
EC 101 Microeconomics	3	EC 102 Macroeconomics	3
HT 120 Bar and Beverage Operations	3	LA 225 Legal Aspects of Business	3
MA220 Statistics	3	MG 220 Principles of Management	3
MK 214 Marketing	3	PY 101 Introduction to Psychology	3
	15		15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
MK 301 Marketing Management	3	EM 102 Environmental Science II or Elective (Science)	4
EM 101 Environmental Science I or Elective (Science)	4	EN 203 Public Speaking	3
MA370 Quantitative Methods in Management.	3	CS210 Internet	3
	3	MG 301 Production & Operations Management	3
MG320 Financial Management	3	MG 340 Human Resource Management	3
Elective (Non-Western Culture)	3		
	16		16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
HT 301 Cruise and Tour	3	MG 410 Business Policy	3
HT 490 Hospitality Field Experience or elective	3	MG 421 Compensation & Benefits	3
MG 380 Management Information Systems	3	Elective (Social Science)	3
MK 330 Principles of Sales	3	Elective (Humanities)	3
PI 301 Ethics	3	Elective	3
	15		15

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.

Send us mail at human_resources_concentration@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	AC 102 Accounting Principles II	3
CS 101 Introduction to Computers	3	CS 103 Computer Applications	3
EN 101 English Composition I	3	EN 103 Writing about Literature	3
MG 100 Introduction to Business	3	MA 120 College Algebra	3
Elective (Humanities/ Social Science)	3	PY 101 Introduction to Psychology	3
BC101 First Year Experience	2		
	17		15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CS 202 Advanced Spreadsheet and Database	3	EC 102 Macroeconomics	3
EC 101 Microeconomics	3	LA 225 Legal Aspects of Business	3
EN 150 Effective Communications	3	MG 220 Principles of Management	3
MA 220 Statistics	3	MG 250 Small Business Management	3
MK 214 Marketing	3	Elective (Humanities/ Social Science)	3
	15		15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EM 101 Environmental Science I or Elective (Science)	4	EM 102 Environmental Science II or Elective (Science)	4
MA 370 Quantitative Methods in Management	3	MG 301 Production & Operations Management	3
MG 320 Financial Management	3	MG 310 International Business	3
MK 301 Marketing Management Elective (Psychology)	3 3	MG 340 Human Resource Management	3
	16	PY 215 Social Psychology	3
			16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
MG 325 Organizational Behavior	3	MG 410 Business Policy	3
MG 380 Management Information Systems	3	MG 421 Compensation & Benefits	3
MG 420 Training and Development Elective (Humanities)	3 3	PY 401 Research Methods Elective (Non-Western Culture)	3 3
Elective (English)	3	Elective (Humanities)	3
	15		15
		Total Credits:	124

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.

Send us mail at marketing@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	AC 102 Accounting Principles II	3
CS 101 Introduction to Computers	3	CS 103 Computer Applications	3

EN 101	English Composition I	3	EN 103	Writing about Literature	3
MA 120	College Algebra	3	PY 101	Introduction to Psychology	3
MG 100	Introduction to Business	3		Elective (Humanities/ Social Science)	3
BC101	First Year Experience	2			
		17			15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
CS 202	Advanced Spreadsheet and Database	3	EC 102	Macroeconomics	3
EC 101	Microeconomics	3	LA 225	Legal Aspects of Business	3
EN 150	Effective Communications	3	MG220	Principles of Management	3
MA 220	Statistics	3	MK 211	Advertising	3
MK 214	Marketing	3		Elective	3
		15			15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
EM 101	Environmental Science I or Elective (Science)	4	EM 102	Environmental Science II or Elective (Science)	4
MA 370	Quantitative Methods in Management	3	EN 203	Public Speaking	3
			MG 301	Production & Operations Management	3
MG 320	Financial Management	3	MG 310	International Business	3
MK 301	Marketing Management	3	MG 325	Organizational Behavior or	
MK 305	Consumer Behavior	3	MG 340	Human Resource Management	3
		16			16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
MG 380	Management Information Systems	3	MG 410	Business Policy	3
MK 330	Principles of Sales	3	MK 401	Marketing Research	3
MK 430	Marketing Seminar	3	MK 420	Retail Marketing	3
PI 301	Ethics	3	SO 401	Data Analysis	3
	Elective (Non-Western Culture)	3		Elective	3

15

Total Credits:

15

124

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.

Send us mail at management@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	AC 102 Accounting Principles II	3
CS 101 Introduction to Computers	3	CS 103 Computer Applications	3
EN 101 English Composition I	3	EN 103 Writing about Literature	3
MG 100 Introduction to Business	3	MA 120 College Algebra	3
Elective (Humanities/Social Science)	3	PY 101 Introduction to Psychology	3
BC101 First Year Experience	2		
	17		15

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CS 202 Advanced Spreadsheet and Database	3	EC 102 Macroeconomics	3
EC 101 Microeconomics	3	LA 225 Legal Aspects of Business	3
EN 150 Effective Communications	3	MG 220 Principles of Management	3
MA 220 Statistics	3	MG 250 Small Business Management	3
MK 214 Marketing	3	Elective (Humanities/Social Science)	3
	15		15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EM 101 Environmental Science I or		EM 102 Environmental Science II	

	Elective (Science)	4	or	Elective (Science)	4
MA 370	Quantitative Methods in Management	3	EN 203	Public Speaking	3
			MG 301	Production and Operations Management	3
MG 320	Financial Management	3	MG 310	International Business	3
MK 301	Marketing Management	3	MG 340	Human Resource Management	3
	Elective (Humanities/Social Science)	3			
		16			16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
MG 325	Organizational Behavior	3	MG 410	Business Policy	3
MG 380	Management Information Systems	3	MG 421	Compensation and Benefits	3
MK 330	Principles of Sales	3	MK401	Marketing Research	3
PI 301	Ethics	3		Elective (Social Science)	3
	Elective (Non-Western Culture)	3		Elective (Humanities)	3
		15			15
			Total Credits:		124

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.

Send us mail at sports_management@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	AC 102 Accounting Principles II	3
EN 101 English Composition I	3	CS 101 Introduction to Computers	3
KN 100 Health and Fitness Skills	3	EN 103 Writing about Literature	3
MG 100 Introduction to Business	3	MA 120 College Algebra	3
SM 232 Introduction to Sports Management	3	KN 222 Emergency Responder	3
BC101 First Year Experience	2		15
	17		

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EC 101 Microeconomics	3	CS 103 Computer Applications	3
KN 223 Personal & Community Health	3	EC 102 Macroeconomics	3
MA 220 Statistics	3	KN 100 Health and Fitness Skills	3
MK 214 Marketing	3	LA 225 Legal Aspects of Business	3
PY 101 Introduction to Psychology	3	MG 220 Principles of Management	3
	15		15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EM 101 Environmental Science I or Elective (Science)	4	EM 102 Environmental Science II or Elective (Science)	4
MA 370 Quantitative Methods in Management	3	KN 100 Health and Fitness Skills	3
MG 320 Financial Management	3	Open Elective (200+)	3
MK 301 Marketing Management	3	MG 340 Human Resource Management	3
Elective (KN200+)	3	SM 370 Sports Management Seminar	3
	16		16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EN 203 Public Speaking	3	MG 410 Business Policy	3

PY370	Sports Psychology	3	SM 420	Legal & Ethical Issues in Sports	3
MK 330	Principles of Sales	3	SM 490	Practicum in Sports Management	3
SM 410	Sports Facility Management	3		Elective (Non-Western Culture)	3
	Elective (Humanities/Soc. Science)	3		Elective (Humanities)	3
		15			15
				Total Credits:	124

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.

AS in Criminal Justice Step-out Option

Upon completion of the freshman and sophomore years of the baccalaureate program a student may elect to step-out of the program and receive an AS degree in Criminal Justice.

Send us mail at criminal_justice@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
CJ 110	Criminal Justice System & Process	3	CJ 111	Homeland, Private & Public Security	3
CS 101	Introduction to Computers (if tested out/waiver) or		CJ 115	Juvenile Justice System & Process	3

CS 103	Computer Applications	or	EN 103	Writing about Literature	3
EC 101	Microeconomics	3	GO119	State and Local Government	3
EN 101	English Composition I	3	PY 101	Introduction to Psychology	3
LA 212	Criminal Law	3			
SO 101	Introduction to Sociology	3			
BC101	First Year Experience	2			15
		17			

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
CJ 222	Crisis Intervention in Criminal Justice	3	CJ 227	Police and the Community	3
CJ 223	Community Corrections	3	CJ 229	Probation and Parole	3
EN 203	Public Speaking	3	PY 215	Social Psychology	3
SO201	Criminology	3	MA120	College Algebra	3
GO 118	American Government	3		Elective	3
		15			15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
CJ 320	Criminal Procedure and Evidence	3	CJ 301	Police Administration and Management	3
HI 310	American Constitutional History or		MA220	Statistics	3
CJ 310	Criminal Investigation	3	SO 310	Juvenile Delinquency	3
LA 320	Topics in Law and Society	3		Science Elective II	4
CJ224	Victimology & Victim	3			
CJ 224	Services		CJ 390	Criminal Justice Internship or	
	Science Elective I (select from Biology I, Issues in Biology or Chemistry I)	4		Elective (Government or History)	3
		16			16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>		
CJ 401	Research in Criminal Justice	3	CJ 410	Directed Study in Criminal Justice	3
PI 301	Ethics	3			

PY 340	Abnormal Psychology	3	GO410	American Constitutional Law	3
EN 212	Advanced Composition or Elective (English)	3	SO 401	Data Analysis	3
	Elective (Non-Western Culture)	3		Elective (Humanities)	3
				Elective	3
		15			15
				Total Credits:	124

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: BI101, BI102, CH101, CH102, CJ201, CJ202, PH201, and the Science Elective. Students who do not meet this requirement, after two attempts, will be dropped from this concentration.

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
CJ110 Criminal Justice System & Process	3	GO119 State & Local Government	3
EN101 English Composition	3	EN103 Writing About Literature	3
BI101 Biology I	4	BI102 Biology II	4
CS101 Introduction to Computers or (if tested out/waiver) select CS103 Computer Applications or EC101 Microeconomics	3	MA120 Algebra	3
SO101 Introduction to Sociology	3	PY101 Introduction to Psychology	3
BC101 First Year Experience	2		
	18		16

Sophomore Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
LA212 Criminal Law	3	EN203 Public Speaking	3
CJ201 Introduction to Forensics	4	CJ202 Collection/Preservation of Evidence w/Lab	4
SO201 Criminology	3	CH102 Chemistry II	4
CH101 Chemistry I	4	MA220 Statistics	3
GO118 American Government	3	PY215 Social Psychology	3
	17		17

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CJ320 Criminal Procedure & Evidence	3	Science Elective (BI, CH or PH)	3 / 4
PH201 Introduction to Physics I	4	CJ390 Criminal Justice Internship	3
EN212 Advanced Composition	3	AR250 Digital Photography	3
CJ224 Victimology & Victim Services	3	Computer Elective (CS103, 202 or 210)	3
CJ310 Criminal Investigation	3	Elective (Govt or History)	3
	16		15/16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
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CJ401	Research in Criminal Justice	3	CJ410	Directed Study in Criminal Justice	3
PI301	Ethics	3	SO401	Data Analysis	3
CO255	Digital Image Processing	3		Elective (Humanities)	3
	Elective (Non-Western Culture)	3		Elective (Criminal Justice)	3
PY320	Abnormal Psychology	3		Open Elective	3
		15			15
			Total Credits:		129/130

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.

Send us mail at legal_studies@beckercollege.edu or click [here](#) to be placed on our mailing list.

Massachusetts School of Law Articulation Agreement

The Becker College and the Massachusetts School of Law at Andover articulation agreement permits a qualified senior Becker student in the legal studies program to be dual enrolled for graduate study while completing his or her program at the College. In other words, this agreement combines a student's fourth year at Becker College with his/her first year at the Massachusetts School of Law, thereby enabling the student to reduce his/her total study time by one year and to graduate with a law degree in six years rather than seven. Admission to this program is selective; applicants must meet academic requirements established by both Becker College and the Massachusetts School of Law. A student interested in applying for this program must express such interest to his/her academic advisor early in the junior year.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
CS 101 Introduction to Computers	3	CS 103 Computer Applications	3
EN 101 English Composition I	3	EN 103 Writing about Literature	3
LA 110 Introduction to Law	3	LA 113 Real Estate Law	3
LA 127 Contracts and Uniform Commercial Code	3	LA 217 Family Law	3
SO 101 Introduction to Sociology	3	Elective (Math)	3
BC101 First Year Experience	2		15

17

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
GO118 American Government	3	EN 212 Advanced Composition	3
LA 220 Corporation Law	3	LA 215 Estates, Trusts and Estate Administration	3
LA 223 Litigation	3		
LA 228 Legal Research Techniques	3	LA 230 Legal Writing Techniques	3
LA 260 Computer Applications for the Legal Professional	3	LA 290 Career Internship or PY 101 Introduction to Psychology	3
		Elective (Humanities)	3
	15		15

Junior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	GO 301 Political Theory	3
LA 212 Criminal Law	3	PI 101 Introduction to Philosophy	3
PI 301 Ethics	3	Elective (Open)	3
Elective (EN 200+)	3	Elective (Humanities)	3
Elective (Science with Lab)	4	Elective (Science with Lab)	4
	16		16

Senior Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
EN 203 Public Speaking	3	GO410 American Constitutional Law	3
HI 310 American Constitutional History	3	LA 410 Directed Legal Study	3
LA 301 Advanced Legal Writing and Analysis	3	Elective (Open)	3
LA 401 Advanced Civil Litigation	3	Elective (Open)	3
Elective (Open)	3	Elective (Non-Western Culture)	3
	15		15
		Total Credits:	124

Career Opportunities:

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

Associate Degree Programs

Paralegal Studies

The Paralegal Studies program provides quality education for an exciting, challenging, and respected career. Specific courses train students to assume many of the duties traditionally performed by lawyers: document processing, case investigation, brief preparation, law office management, legal research, interviewing clients, compiling information on estates, wills, contracts, and trusts, as well as a variety of administrative responsibilities requiring discretion and independent judgement. Students will also gain an understanding of legal procedures, court systems, ethics, and basic legal theories while learning the skills to establish rapport with attorneys. Career internships are made available to those students who desire practical work experience.

Send us mail at paralegal_studies@beckercollege.edu or click [here](#) to be placed on our mailing list.

Freshman Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
AC 101 Accounting Principles I	3	CS 103 Computer Applications	3
CS 101 Introduction to Computers	3	EN 103 Writing about Literature	3
EN 101 English Composition I	3	LA 113 Real Estate Law	3
LA 110 Introduction to Law	3	LA 217 Family Law	3
LA 127 Contracts & Uniform Commercial Code	3	Elective (Math)	3
BC101 First Year Experience	2		15
	17		

Sophomore Year

<i>Fall Semester</i>	<i>Credit Hours</i>	<i>Spring Semester</i>	<i>Credit Hours</i>
GO118 American Government	3	LA 215 Wills, Trusts and Estate Administration	3
LA 220 Corporation Law	3	LA 230 Legal Writing Techniques	3
LA 223 Litigation	3	LA 290 Career Internship or Elective (Liberal Arts)	3
LA 228 Legal Research Techniques	3	Elective (Liberal Arts)	3
LA 260 Computer Applications for the Legal Profession	3	Elective (Liberal Arts)	3
Elective (Humanities)	3		
	18		12
		Total Credits:	62

Career and Transfer Opportunities:

The paralegal field is young and growing, with opportunities opening up in a variety of law-related fields. Graduates work under the supervision of attorneys in large law firms and in small private practices. There is also a demand for paralegals in real estate, insurance, legal clinics and the corporate law departments of large businesses.

Graduates who choose to pursue baccalaureate degrees may continue to study at Becker in the bachelor's degree program in Legal Studies or transfer to another college.

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

<i>Fall Semester</i>		<i>Credit Hours</i>	<i>Spring Semester</i>		<i>Credit Hours</i>
BC 101	Freshmen Experience	2	EN 101	English Comp. I or	3
EN 101	English Composition I or		EN103	Writing Literature	
EN 095	Dev. Writing	2/3	MA 220	Statistics or	
MA 120	College Algebra or		MA 120	College Algebra	3
MA 097	Elem. of Math	2/3	CS 101	Intro to Computers or	
	Elective-Humanities	3	CS 103	Comp. Apps.	3
	Elective-Social Science	3		Elective - Non - Western	3
	Elective-Open	3		Elective - Open	3
		15/17			15

Course Descriptions

AC 101 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.

AC 102 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: AC 101.

AC 212 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: AC 102.

AC 213 Intermediate Accounting II 3 cr.

A continuation of AC 212 Intermediate Accounting I, focusing on land, buildings, and equipment; current and long-term liabilities; the stockholders' equity; and the statement of cash flow. Prerequisite: AC 212.

AC 290 Career Internship 3 cr.

AC 299 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.

AC 310 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: AC 213.

AC 320 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: AC 213.

AC 410 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: AC 213.

AC 420 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: AC 213.

AC 421 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: AC 213.

AC 430 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: AC 213.

AC 450 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: AC 213.

AC 451 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: AC 213.

AN 101 Kennel Management I 2 cr.

Helps to prepare students to function in the capacity of animal handler and caretaker and animal facility operator. Topics such as sanitation, animal accommodations, feeding and watering, handling techniques and behavioral problems will be covered. Offered in fall only.

AN 102 Kennel Management II 2 cr.

A continuation of Kennel Management I, exposing students to different types and architectural styles of kennels. A wide variety of potential career opportunities are explored in such areas as animal control and shelter management, special needs training facilities and other commercial endeavors. Students must have completed one semester of kennel duty in the clinic. Offered in spring only.

AN 103 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.

AN 111 Animal Health and Structure 2 cr.

Combines lecture and laboratory, concentrating on canine and feline anatomy, the abnormalities and diseases that affect the various systems, and the practical aspects of animal handling. Hands-on approach is used here in such topics as: restraint, administration of medication, first aid and basic parasitology examination. Offered in fall only.

AN 121 Introduction to Grooming 1 cr.

Acquaints students with the basic practical techniques for grooming dogs and cats. Students will learn the foundations of brushing, bathing, nail trimming, dematting and how to handle and restrain animals being groomed. Offered in spring only.

AN 140 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.

AN 161 Introduction to Equine Handling and Management (3 credits) freshmen year. Introduction to basic horsemanship. Students would 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 would be required to participate in a rotation through the barn during morning and afternoon chores. Pre-requisites: Equine management concentration major or permission of instructor.

AN 200 Introduction to Laboratory Animal Science 2 cr.

An introduction to the laboratory animal research environment, this course will focus 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 will also be covered. Basic nursing skills will be introduced and reinforced in laboratories including animal restraint, dose calculations, hygiene, disinfectants and sterilization techniques. Open to sophomore Animal Care students. Pre-requisites: AN 101/102/103, AN 140 and AN 111 or by permission of the Instructor. Usually offered in the fall.

AN 220 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 will be required to spend a minimum of 45 minutes in daily independent work/exercise. Open to sophomore Animal Care students. Prerequisites: AN 101/102/103, AN 140 and AN 111 or permission of the instructor.

AN 221 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: 121 or by permission of the instructor.

AN 222 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: AN 101/102/103/111 and AN 140 or permission of instructor. Offered in spring only.

AN 241 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 will be surveyed. The importance of balancing rations of many animal species will be studied. Feeding practices for the various stages of life are also covered. Open to sophomore Animal Care students. Prerequisite: AN 101/102/103/111 and AN 140 or permission of the instructor. Offered in fall only.

AN 243 Equine Nutrition (3 credits) sophomore year. A thorough discussion of the nutritional needs of all stages of equine life from neonate to geriatric. This would include 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 will be discussed. Students will be required to understand ration balancing and feed quality assessment, as well as the diseases associated with poor nutrition. Students will be required to formulate a specific feeding regimen. Pre-requisites: sophomore status in equine management concentration or permission of instructor.

AN 251 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: AN 101/102/103/111 AN 140 or permission of the instructor. Offered in spring only.

AN 271 Equine Anatomy and Physiology (3 credits) sophomore year. 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. Pre-requisites: Equine management concentration major or permission of the instructor.

AN 290 Career Internship 3 cr.

Students will 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. Offered fall and spring.

AN 353 Equine Reproduction and Breeding Management (3 credits) junior year.

This course would deal specifically with the management of the business of breeding horses and would deal with the care needed for stallions at stud, brood mares, and foals. Students would review the estrus cycle and then discuss how to control the cycle, understand the causes of infertility in both the stallion and mare, get an overview of artificial insemination, and learn the role of genetics in conformation. Pre-requisites: Junior status in the equine studies concentration plus AN 161, AN 271, or permission of the instructor.

AR 102 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.

AR 103 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.

AR 104 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.

AR 110 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.

AR 120 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".

AR 121 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.

AR 122 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.

AR 131 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.

AR 210 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 AR 110 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: AR 110.

AR 230 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. Prerequisite: AR 131.

AR 239 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.

AR 250 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. Prerequisites: AR102, AR131, GA214.

AR 280 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: AR 101, AR (drawing II).

AR 310 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: AR 101 and AR 102.

AR 400 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 (AR-401-CP). 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: Department permission.

AR 401 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 AR 400 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: AR 400, or Department permission.

AR 410 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: Department permission.

AR 450 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: Department permission

AS 111 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. Offered in the fall only. Open only to freshman Veterinary Technology and Science students. A grade of C (73%) or better is required in both lecture and lab for graduation from the Veterinary Technology and Science programs.

AS 112 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 AS 111. 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 AS 111. Offered in the spring only. A grade of C or better is required in both the lecture and laboratory portion for graduation from the Veterinary Technology and Science Programs.

AS 120 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 AS 111, BI 105, MA 120 and CH 101 or permission of the instructor. Offered in the spring semester only. A grade of C or better is required for graduation from the Veterinary Technology and Science Programs.

AS 200 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 will also survey 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

AS 111/112/120, BI 105/106, and CH 101/102. Open to sophomore Veterinary Technology and Veterinary Science students. Usually offered in the spring. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

AS 201 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 AS 111/112/120, BI 105/106 and CH 101/102 or by permission on instructor. Open to sophomore Veterinary Technology and Veterinary Science students. A grade of C or better is required for graduation from the Veterinary Technology and Science programs.

AS 211 Veterinary Hematology 4 cr.

Lectures will cover the theory behind laboratory work involved with hematology and clinical chemistry. Laboratory work will provide 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 AS 111/112, BI 105/106, CH 101/102 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

AS 212 Clinical Pathology 4 cr.

Lectures will present the theory behind clinical urinalysis, parasitology and cytology of domestic and non-domestic species. Laboratory work will provide clinical experience in urinalysis, cytological examinations and the various methods used to detect parasites. Open to sophomore veterinary technology and science students. Prerequisites: C or better in AS /111/112, BI 105/106 and CH 101/102 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

AS 221 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 AS 111/112, BI 105/106 and CH 101/102 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

AS 250 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 AS 111/112/120, BI 105/106 and CH 101/102 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.

AS 290 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 intercession 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 AS 111/112, AS 120, BI 105/106 and CH 101/102. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

AT 320 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.

BA 291 Cooperative Education 3 cr.

BA 292 Cooperative Education 6 cr.

BA 293 Cooperative Education 9 cr.

BA 294 Cooperative Education 12 cr.

Cooperative Education provides opportunity to full-time students in good academic standing, to apply classroom learning, to earn credit through approved employment in their field of study. Students complete a minimum of 144 work hours. The cooperative education experience is approved in advance by the Registrar, the student's academic advisor and Career Services.

BC 101 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.

BI 101 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.

BI 102 Biology II 4 cr.

This course will expand on the foundation developed in BI 101. 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.

BI 105 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.

BI 106 Anatomy and Physiology of Domestic Animals II 4 cr.

The continuation of BI 105. Prerequisite: BI 105 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Technology and Science programs.

BI111 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 be seen 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.

BI 111 Current Issues in Biology 4 cr.

This course presents current topics in Biology and their application to everyday living. Topics include cloning, genetic technology, and stem cell technology which will lead to the basic concepts of heredity, reproduction, evolution, and biodiversity. Themes such as cancer and obesity will address issues relating to the structure and function of cells. Malnutrition and genetically engineered crops will allow for discussion on energy and living things as well as changes in ecosystems over time. Laboratory sessions will facilitate instruction of the material.

BI 252 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 CH 101/102 (Veterinary Technology students). A grade of C or better is required for graduation in the Veterinary Science and Nursing programs.

BI 253 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.

BI 254 Anatomy and Physiology II 4 cr.

A continuation of BI 253, 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.

BI 301 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: CH 303.

BI 310 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.

BI 320 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: MA 120. A grade of C or better is required for graduation in the Veterinary Science program.

BI 321 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.

BI 322 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.

BI 350 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 CH 101/102. 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.

BI 450 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.

BI 491- 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.

BI 492 Preceptorship Option I (Internship) 6 cr.

Requires a minimum of 280 hours preceptorship.

CE 298 Cooperative Education 3 cr.

This program places the student in an off-campus work experience directly related to his or her academic major. The purpose is to apply classroom learning in a real-world employment setting. A minimum of 144 hours is required. Not open to freshmen. A student may receive up to a total of six credits. Prerequisite: 2.5 GPA.

CH 101 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.

CH 102 Chemistry II 4 cr.

A continuation of Chemistry 101. 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 Chemistry 101. A grade of C or better is required for graduation in the Veterinary Technology program.

CH 103 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. A course with laboratory for Pre-Health students seeking to qualify for admission to Becker's health science programs.

CH210 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 microscale. Prerequisites CH101 and CH102. A grade of C or better is required for graduation in the Veterinary Sciences Programs

CH211- 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: CH210. A C or better is required for graduation in the Veterinary Science Programs.

CH 303 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.

CJ201 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.

CJ 110 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.

CJ 111 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.

CJ 115 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.

CJ202 Collection/Preservation of Evidence 4 cr.

A continuation of CJ201. 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: CJ201.

CJ 222 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.

CJ 223 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.

CJ 224 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.

CJ 227 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: CJ 110 or permission of the instructor.

CJ 229 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.

CJ 301 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.

CJ 310 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.

CJ 320 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.

CJ 390 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.

CJ 401 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.

CJ 410 Directed Study in Criminal Justice 3 cr.

Students conduct the research project proposed in CJ 401 - 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: CJ 401.

CO 110 Introduction to Audio Production 3 cr.

A theoretical and practical course in basic production techniques, including recording, editing and mixing of audio. Students will also gain experience in announcing and interviewing and in working both in a studio and on location. Prerequisite: AR 102.

CO 210 Video Production I 3 cr.

The fundamental aspects of video production including editing and desktop video production. The student will also become familiar with computer generated special effects. Through a series of lectures and lab exercises, students will learn the nature and grammar of video production. Prerequisites: AR 102, AR 230.

CO 220 Video Production II 3 cr.

In this course, the student will learn the technique of single camera video production. Topics will include camera operation, location shooting, location audio and lighting, and the production of location "video packages" for news and advertising. Prerequisite: CO 210.

CO 255 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: AR 131, AR 250, and GA 225.

CO 320 Video Production III 3 cr.

This advanced course in video production will cover all aspects of studio, multi-camera television production including producing and directing for the studio. Students will produce studio-based programs and learn skills such as floor directing, studio lighting, audio, and technical direction. Prerequisite: CO 220.

CO 330 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.

CO 335 Advanced Web Page Design 3 cr.

This course is a continuation of CO 330 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: CO 330.

CO 340 Internet Webcasting 3 cr.

This course will introduce students to the design, creation, and production of Internet broadcasting or "webcasting." Students will learn to set up and transmit radio and television programming via Internet web sites that they will also create in this course. This class will cover the basic technical issues involved in webcasting, but will also deal with the creative aspect of broadcasting through the new medium of the Internet. Prerequisite: CO 330.

CO 353 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: CO 330. Co requisite: CO 335.

CO 350 Electronic Journalism 3 cr.

Students will develop basic skills in reporting, writing, and editing news for electronic media including radio, television, and the Internet. This course will introduce students to all major facets of journalism ranging from hard news to feature writing.

CO 410 Webcast Media Studio I 3 cr.

A studio-based learning experience in which students will produce and maintain on-going, web-based communications products. Students will be responsible for producing and publishing college-related web sites on a weekly and daily basis. Prerequisite: CO 340.

CO 420 Webcast Media Studio II 3 cr.

A continuation of CO 410 in which students produce and maintain on-going, web-based communication products. Students will have responsibility for producing, publishing, and managing college-related web sites on a weekly and daily basis. Prerequisite: CO 410.

CS 440 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: CS140 Programming in C++, and CS 230 Data Structures.

CS 482 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: MA 120 Algebra, MA 220 Statistics, PI 301 Ethics.

CS 101 Introduction to Computers 3 cr.

An introductory course with a format of 30 percent Word Processing; 10 percent Windows; 30 percent online services (Internet) including such things as how to attach, find information and download it, electronic mail; and 30 percent on computer topics such as hardware, software, systems, games, graphics and software related to the student's major. Papers and research will be required using searching techniques on the new library system and online services.

CS 102 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.

CS 103 Computer Applications 3 cr.

An introduction to professional business application software in the areas of spreadsheets and databases. Prerequisite: CS 101.

CS 110 Introduction to Programming 3 cr.

Fundamentals of web programming for use in building web pages. The course will cover the different web page programs, such as HTML, JavaScript, DHTML, and XML. It will also cover a brief history of the Internet and Internet programming. Using basic programming student will develop their own home page. Prerequisites CS 103 or permission of the instructor.

CS 140 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. Prerequisites: MA 120, CS 101.

CS 202 Advanced Spreadsheet and Database 3 cr.

Students will use the advanced features of spreadsheets and databases in business applications. Prerequisite: CS 103.

CS 210 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: CS 103 or the permission of the instructor.

CS 220 Desktop Publishing 3 cr.

Using PageMaker, students will combine theoretical and hands-on practice developing application and employment skills in desktop publishing. Students will learn the use of Windows and scanners in completing textbook assignments and in the design of their own projects. Prerequisite: CS 101.

CS 230 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: CS 140.

CS 262 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.

CS 290 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.

CS 350 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: CS 101 Introduction to Computers, CS 210 Internet, MG 100 Introduction to Business, MK 214 Marketing, or with the permission of the instructor.

CS 355 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: CS 140 or permission of the instructor.

CS 360 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.

CS 460 Networking II 3 cr.

This course is a continuation of CS 360 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: CS 360 Networking I.

CS 455 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: CS 355, CS 202 and CS 350.

CS 470 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: CS 202 or permission of the instructor.

CS 485 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.

CS 490 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.

EC 101 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.

EC 102 Macroeconomics 3 cr.

A continuation of EC 101, concerned with the modern concept of aggregate economics, national income analysis, fiscal policy, money and banking, and monetary policy. Emphasis centers around the theoretical approach and possible solutions to the major economic problems of the day: unemployment, inflation, stagflation, and monetary instability. Prerequisite: EC 101.

ED 101 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.

ED 103 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.

ED 104 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.

ED 110 Plan Prog. I/T

This course studies the history and trends in infant/toddler care. Areas of study include settings for childcare, communicating with parents and staff, designing programs and curriculum including OFC regulations, physical plant, purchasing and materials.

ED 121 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: PY 102 or permission of instructor.

ED 204 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.

ED 223 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: PY 102 must be taken concurrently or prior to enrolling in this course.

ED 250 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, B or better in PY 102, ED 103, ED 104, ED 121. A grade of B or better is required for entry into the B.A. Psychology (ECE concentration) program.

ED 291 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.

ED 300 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.

ED 305 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. A grade of B or better is required prior to student teaching (ED 401/402).

ED 310 Reading, Writing and Language in ECE 4 cr.

This course examines children's language acquisition and emerging literacy from a developmental perspective. Various methods of teaching reading and writing will be explored. Major emphasis is place on awareness and application of the standards for instruction and assessment as outlined in the English Language Arts Curriculum Frameworks. Includes a 40-hour prepracticum experience in a K-2 classroom. A grade of B or better is required prior to student teaching (ED 401/402).

ED 311 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 (ED 310) and the Elementary Education concentration program (ED 312). Theory, instructional methodology, diagnostic and assessment techniques for literacy instruction will be presented. Prerequisites: ED 223, ED 300, PY 286, and EN 106 or permission of the instructor.

ED 312 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: ED 300, ED 223, PY 286, PY287 and EN 106. A grade of B or better is required before enrolling in ED 421/422.

ED 315 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 communicate skills both in oral and written form which includes professional presentation skills for effective classroom lectures.

ED 330 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. Prerequisites: ED 300, PY 286, PY287, ED223. A grade of B or better is required before enrolling in ED 401/402.

ED 335 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. Prerequisites: ED 300, PY 286, PY287 and ED223. A grade of B or better is required before enrolling in ED 401/402.

ED 401 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 ED 401 and will complement the practicum. Prerequisites: Final grade of B or better in ED 305 and ED 310; final grade of C or better in PY 286, and a passing score is required on the Massachusetts Tests of Educator Licensure (MTEL): Communication and Literacy to enroll in ED 401/402.

ED 402 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.

ED 421 Elementary Education Practicum 6 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 ED 312, ED 330, ED 335; final grade of C or better in PY286, and a passing score is required on the Massachusetts Tests of Educator Licensure (MTEL): Communication and Literacy to enroll in ED 421/422.

ED 422 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.

EM 101 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.

EM 101 Environmental Science I 3 cr.

This course is designed to help develop the level of environmental literacy necessary to be active, participatory citizens. It will explore concepts, values, frameworks and perceptions that have characterized signal events in environmental history and can help the student think systematically about the future. It will include review of prominent leaders in the field of environmental science such as Rachel Carson and help students see how the study of the environment has influenced the notion of social responsibility in communities, organization and government. This course will develop skills in critical thinking, problem solving as well as effective writing.

EM 102 Environmental Science II 4 cr.

A continuation of EM 101.

EM 102 Environmental Science II (Blended) 3 cr.

The second section of the course is designed for students with a non-science background. It provides a foundation for understanding the environmental problems we face and finding ways to solve them. Topics include: population dynamics, resource management, weather and greenhouse effect, endangered species, geological hazards, air and water pollution. Pre-requisites: Environmental Science I is NOT a prerequisite for enrolling into this course.

EN 095 Developmental Writing 2 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. (2 credits; does not count toward graduation)

EN 101 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.

EN 103 Writing about Literature 3 cr.

The second half of the freshman English sequence, this course will introduce the imaginative genres of literature: poetry, short fiction, drama, and/or the novel. The course centers on finding source information and incorporating such materials fairly and effectively into argumentative and persuasive writing. Prerequisite: EN 101.

EN 104 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.

EN 106 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.

EN 106 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, 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 life, ways to determine a child's literacy preference and ways to foster early literacy in children.

EN 108 Thinking, Writing and Learning 6 credits; 10 weeks

This course will enable students to develop their reading comprehension, thinking and writing skills while focusing on themes related to adult learning theory. It provides students with the basic skills necessary to succeed in the Accelerated Bachelor's degree program.

EN 150 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, EN 150 also focuses on communications within a group, oral presentation, and critical listening and thinking skills.

EN 150 Effective Communications 3 cr.

During this course students will explore the practical and conceptual aspects of communication which include listening and speaking, managing conflict and working with teams. In class activities will give students the opportunity to practice communication and conflict resolution skills and apply them to their real life experiences.

EN 201 Survey of Literature 3 cr.

A study of the literary genres of drama, poetry and fiction - with emphasis on the development of critical skills in the study of literature. Prerequisite: EN 101 or EN 103.

EN 203 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: EN 101.

EN 211 Introduction to Literature 3 cr.

A study of literary genres — drama, poetry, and fiction with emphasis on understanding the fundamentals of each. Writing intensive. May require additional reading and research on a major author, or a comparison of authors, or a theme, culminating in a five-page paper. Prerequisites: EN 101/102.

EN 212 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 EN 101/102. Prerequisites: EN 101 and EN 103.

EN 222 Introduction to Drama 3 cr.

Theories and development of tragedy and comedy plays from Ancient Greece to the Modern Era. Prerequisites: EN 101 and EN 103.

EN 232 Short Story 3 cr.

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: EN 101 and EN 103.

EN 245 Leadership and Literature 3 cr.

In this course students will learn how to closely read several forms of literature including fiction, non-fiction, essay and poetry. Using various new strategies to decipher the text, 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 leaders will be included to increase students' understanding of the multiple ways to influence.

EN 250 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: EN 101 and EN 103

EN 260 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: EN 101 and EN 103.

EN 273 Writing About Literature 3 cr.

This course introduces students to the skills necessary to read and write critically. Students will have the opportunity to practice critical reading skills within the genres of fiction, poetry, drama, and film. Students will acquire some of the vocabulary and tools of analytical literary criticism and demonstrate critical reading/ writing skills in multiple writing, discussion, and presentation assignments.

EN 301 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: EN 101, EN 103, and one 200-level literature course or permission of the instructor.

EN 302 Survey of American Literature 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: EN 101, EN 103, and one 200-level literature course or permission of the instructor.

EN 303 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: EN 101, EN 103, and one 200-level literature course or permission of the instructor.

EN 304 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: EN 101, EN 103, and one 200-level literature course or permission of the instructor.

EN 374 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: EN 101, EN 103, and one 200-level literature-based course or permission of the instructor.

EN 375 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: EN 101, EN 103, and one 200-level literature-based course or permission of the instructor.

EN 381 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: EN 101, EN 103, and one 200-level literature-based course or permission of the instructor.

EN 382 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, Chesnut, Dunbar, Toomer, Hurston, Wright, Petry, Ellison, Baldwin, Morrison, Walker and Wideman. Prerequisites: EN 101, EN 103, and one 200-level literature-based course or permission of the instructor.

EQ 101 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.

EQ 102 Foundations in Riding II 3 cr.

This course is a continuation of EQ 101 with further direction toward riding skills and the development of seat, balance and the feel of the horse. Development of good riding techniques will be 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: EQ 101 or permission of instructor. An additional fee of \$650 will be charged for this course.

EQ 201 Principles of Riding Instruction I 3 cr.

Includes basic equitation, with riding at all 3 gaits, transitions, and school figures. The student will begin 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: EQ 102 An additional fee of \$650 will be charged for this course.

EQ 202 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 will be 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: EQ 201. An additional fee of \$650 will be charged for this course.

EQ220 Equine Industry and the Law 3 cr.

This course will discuss 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.

EQ 301 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: EQ 202. An additional fee of \$650 will be charged for this course.

EQ 310 Equine Behavior 3 cr.

Students will 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: AN 222

EQ 314 Special Topics in the Equine Industry 3 cr.

Discussion of specific industry rules and requirements that may not be actual law but are a crucial part of the equine industry regulation. Topics for discussion may include drug testing of horses, show and competition requirements for horse and rider, vaccination and transport paperwork. Pre-requisites: EQ 220, senior status in the Equine Studies program or permission of the instructor.

EQ 320 Basic Training Methods 3 cr.

Students will learn how to work with the young horse and reschool the older horse. Teaching basic manners, working in hand and on the lunge will be a significant portion of the course. (2 hours lecture and 1-2 hour lab). Pre-requisites: EQ 301, EQ 310. An additional fee of \$650 will be charged for this course.

EQ 330 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: BI 101/102, AN 243

EQ 420 Training Under Saddle 3 cr.

Students will 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: EQ 320. An additional fee of \$650 will be charged for this course.

EQ 450 Equine Facilities Management 3 cr.

This course is designed to be a follow-up to MG 281. Discussion of information from the previous course will expand 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: MG 281

EQ 490 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.

EQ498 Equine Studies Internship (option 2) 3 cr.

Same as EQ 490, 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.

GA 214 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. Prerequisite: AR 110, AR 131.

GA 215 Graphic Design II 3 cr.

Graphic Design II is a continuation of GA 214 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: GA 214.

GA 225 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. Prerequisite: AR 131, GA 214.

GA 260 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. Prerequisites: AR102, AR131, GA225.

GA 314 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: GA 214, GA 215.

GA 352 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: GA 214, GA 215, GA 314.

GA 340 Typograhly 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: GA 225.

GA 370 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: GA 260, GA 314.

GA 372 Advertising Design II 3cr.

This advanced course will continue to develop the basic skills learned in GA 370 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: GA 370, GA 314.

GA 410 Corporate Design 3 cr.

This course is a hands-on study of the graphic organization and the clear and effective presentation of information as used in the corporate environment. Corporate Design involves a multi-and interdisciplinary approach to graphic communications, combining skills and knowledge from graphic design, art history, psychology, communication theory and cultural studies. In this course, specific emphasis will be placed on the research, analysis, creation, and roll-out of a corporate identity system that includes the design and production of the corporate logo, stationary, packaging, web, signage and various collateral materials. Prerequisite: GA 314, GA 352.

GD 102 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.

GD 220 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: GD102.

GD 230 3D Animation 3 cr.

This course introduces the principles and techniques involved in creating 3-dimensional media and animation. Students will learn the step by step process of 3D digital graphics and video, including model creation, texture design and manipulation utilizing Adobe Photoshop, scene organization, rendering, and finally, animation via sophisticated 3D software such as 3D Studio Max and Poser. Topics include shape creation with lines, curves, and transformation of 3D shapes; texturization, virtual lighting and cameras; key frame animation; and character modeling. Prerequisite: GD220.

GD 240 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: GD220 & GD230.

GD 310 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: GP330, GD240 & CS140.

GD 350 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: AR110, AR210 & AR230.

GD 481 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: Senior status and completion of GP330, GD220 & GD230 or permission of the professor.

GD 482 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: Senior status and completion of all GP330, GD220 & GD230 or permission of the professor.

GE 201 Geology 4 cr.

A one-semester course that investigates the formation of the earth, its structure, its surface features and its processes. Topics include; volcanoes, earthquakes, drifting continents, oceans, erosion and mountain building. Laboratory includes rock and mineral identification and topographic maps. Field trips required.

GO 118 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.

GO 119 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.

GO 301 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.

GO 410 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: GO 118.

GP 310 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: CS 140, CS 230, MA220 & MA222.

GP 312 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: GP310.

GP 330 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: GD240, CS140 & GD230.

GP 460 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: GP310 & GP312.

HI 133 Western Civilization I Ancient Europe 3 cr.

A survey of western man from prehistory to the fall of the Roman Empire in 476 A.D. The civilizations of Egypt, the Tigris-Euphrates Valley, Greece and Rome will be emphasized in this course.

HI 134 Western Civilization II Medieval 3 cr.

A survey of the history of western man from the fall of the Roman Empire in 476 A.D., through the Medieval period, the Renaissance and the Reformation, to the end of the Thirty Years War in 1648.

HI 135 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.

HI 138 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.

HI 139 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.

HI 141 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.

HI 236 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.

HI 236 Man & Technology in Western Civilization 3 cr.

The focus of the course will be on ways in which our lives have been shaped by scores of technological innovations of the past: from the plow and the steam engine to the World Wide Web. Students will explore how seemingly unrelated events in history have spurred social and technological changes and vice versa. Another key point that the learners in this course will appreciate is that all technological innovation carries with it the potential for widespread and unexpected consequences, both positive and negative, sometimes good and sometimes bad. A big part of understanding the consequences of any action, technological or otherwise, is to gather an appreciation for the connections between seemingly unrelated events.

HI 241 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.

HI 310 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: GO 118

HS 126 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.

HT 101 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.

HT 110 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.

HT 120 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.

HT 122 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.

HT 124 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.

HT 301 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.

HT 490 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.

HU 101 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.

HU 110 U.S./Japan Cross-Cultural Comparison 3 cr.

Identifies the primary characteristics of these two superpower countries and examines their similarities and differences. Students gain a better understanding of barriers to effective cross-cultural communication and interaction and strategies for overcoming those barriers.

HU 217 America and the Contemporary World 3 cr.

This course will serve several purposes. It is intended to give students in the liberal arts an

opportunity to create a better understanding on the changing world they inhabit and to help them to deal with 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 were prone to proclaim 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 11. In this course, the students will get the historical background, necessary to understand the developments that lead to September 11. In addition to that, they would be expected to keep in touch with the latest news on day-to-day basis.

HU 227 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.

HU 228 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.

HU 245 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.

HU 245 World Religions 3 cr.

This course will review the essential features of the most influential religious traditions including Judaism, Christianity, Islam, Hinduism and Buddhism. Students will consider the main beliefs and practices of these traditions as well as the prominent historical and mythological figures. Students will seek to understand the historical importance of these religious views and look at the ramifications of their influence on particular issues in today's world.

HU 263 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.

HU 310 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.

HU 352 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.

HU 353 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.

ID 136 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.

ID 231 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: ID 136.

ID 232 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.

ID 233 Decorative Arts II 3 cr.

This is a continuation of ID 232 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: ID 232.

ID 241 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: ID 231.

ID 242 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.

ID 250 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.

ID 290 Interior Design Career Internship 3 cr.**ID 310 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: ID 136.

ID 320 Advanced CAD for Interior Design 3 cr.

This course will build on the information gained in ID 310. More advanced interior design plans and drawings will be developed. Three-dimensional drawings will be explained and produced. Prerequisite: ID 310.

ID 360 ID 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: ID 241.

ID 361 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: ID 360.

ID 370 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: ID 136.

ID 410 Lighting 3 cr.

Electrical plans and reflected ceiling plans are produced for residential and commercial applications. Color and psychological impact are discussed. Prerequisite: ID 136.

JO 291 - JO 298 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: EN 101- 02 or their equivalents.

KN 100 Health and Fitness Skills 1 cr.

In the Health and Fitness concentration, 6 credits of Health and Fitness Skills course are required from the following elective groupings. The student is prepared for future instruction in 2 required skills (KN 101 Conditioning, KN 102 Pedagogy, KN 103 Gymnastics); in 2 team skills (KN 104 Field Hockey, KN 105 Soccer, KN 106 Volleyball, KN 108 Aerobics, KN 109 Project Adventure); and in 2 individual skills (KN 111 Archery, KN 112 Badminton, KN 113 Bowling, KN 115 Racquetball, KN 116 Tennis).

KN 150 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.

KN 210 Nutrition 3 cr.

This course focuses on understanding the processes involved in nourishing the body. It includes the study of nutrients and their physiological functions, their interrelationship within the body and the nutritional quality of diet.

KN 210 Nutrition 3 cr.

This is an introductory course into the science of nutrition as it applies to everyday life. This course will examine nutritional fads, the six major nutritional groups (proteins, lipids, carbohydrates, water, minerals and vitamins), mega dosing, supplements, fiber, food safety, diet and metabolism issues. Students will examine their own nutritional state in one student project as well as examine one nutritional topic for their second student project.

KN 222 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).

KN 223 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).

KN 224 Fitness for Life 3 cr.

This course introduces the student to the many components of physical fitness and wellness. Each student will have the opportunity to participate in discussions and activities that can help them assess their own level of fitness and its relationship to wellness. Course materials will 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.

KN 225 Human Structure and Function 3 cr.

This course introduces basic mechanical concepts related to human movement. Through lecture and laboratory activities, the student will study 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.

KN 226 Applications of Human Structure II 3 cr.

Continuation of KN 225 with emphasis on biomechanics and an in-depth analysis of regional applied anatomy as it applies to function. Introduction to gait and postural analysis is included. Laboratory techniques will teach goniometry, manual muscle testing, sensory evaluation and an introduction to selective assessment techniques of the musculoskeletal system. Prerequisites: BI 253, C or better in KN 225. Corequisite: BI 254.

KN 275 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 will provide 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: KN225 or approval of the program director.

KN 305 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: KN 225.

KN 321 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.

KN 325 Drugs and Society 3 cr.

This course will expose students to biopsychosocial models used to explain substance use, abuse, dependency, and addiction. Students will 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 will be given to the roles of gender, age, culture and religious training as they relate to pattern of use.

KN 330 Exercise Physiology 4 cr.

The purpose of this course is an investigation of the physiological principles basic to health and human performance, emphasizing skeletal muscle energy metabolism, muscular contraction, cardiovascular function, and oxygen transport. Prerequisites: BI 253 and BI 254.

KN 350 Human Sexuality 3 cr.

The cultural, psychological, ethical and biological aspects of sexuality will be examined. The focus of this course will be the multiple roles which include a component of sexuality education as a component of human health and wellness. Students will examine their own views regarding sexuality in order to prepare them to function more effectively within those roles.

KN 415 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 Specialist. The course provides students with theoretical knowledge of the physiological, biomechanical, psychology, and the other sciences and related principles to the design of safe and effective strength and conditioning programs. Prerequisite: KN 225 and KN 275 or approval of the program director.

KN 420 Motor Control and Learning 4 cr.

Through lecture and laboratory experiences students will study the behavioral approach to motor control and learning. The course will complement the neuromuscular kinesiology course by incorporating the cellular and systems neurophysiology into a multifactorial organismal approach. Prerequisites: BI 253, BI 254 and KN 225.

KN 480 Assessment & Prescription in Health & Fitness 4 cr.

This course provides students with the skills needed to develop, implement and evaluate fitness tests for the healthy and unhealthy populations. Emphasis will be placed on providing instruction and remedial programs for the individual. Prerequisite: KN 224.

KN 498 Internship in Health/Fitness 6 cr.

The primary purpose of the practicum experiences is to expose the students to "real world" work experience. Arrangements will be made for the student to work and function within 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 will be 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.

LA 110 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.

LA 113 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: LA 110.

LA 127 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.

LA 212 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.

LA 215 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.

LA 217 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.

LA 220 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: LA 110.

LA 223 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: LA 110.

LA 225 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.

LA 228 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: LA 110.

LA 230 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.

LA 260 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.

LA 290 Career Internship 3 cr.

Arrangements are made for students to gain practical experience by working within a selected legal environment.

LA 299 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.

LA 301 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: LA 230, LA 228.

LA 320 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.

LA 322 Conflict Resolution 3 cr.

Conflict arises when people working together have different ideas about how to achieve desired objectives. Most conflict can be traced back to element of uncertainty. Negotiation is one of the best ways to manage the risks that result from uncertainty. This course will examine the nature of negotiation as a means of resolving conflict and minimizing risks. The course will explore negotiation skills such as: (1) separate the people from the problem, (2) use objective data, (3) focus on interests, not positions, and, (4) determine mutually acceptable options. The goal of any negotiation process is to arrive to a win-win solution.

LA 325 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.

LA 401 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: LA 223.

LA 410 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).

LL 410 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.

MA 025 Math for Health Sciences 2 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.

MA 097 Elements of Math 2 cr.

This developmental 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. Non-graduation credits.

MA 120 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: MA 097 or successful completion of the math placement test. A grade of C or better is required for graduation from the Veterinary Technology program.

MA 130 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.

MA 131 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.

MA 201 Functions and Precalculus 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: MA 120.

MA 220 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: MA 120 or permission of the instructor.

MA 222 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 instructor.

MA 370 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: MA 120 and MA 220.

MG 100 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.

MG 220 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.

MG 250 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. Prerequisites: MG 100.

MG 250 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.

MG 260 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: MG 100 or permission of the instructor.

MG 270 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.

MG 270 Personal Finance 3 cr.

This course introduces students to prudent techniques employed in managing ones personal finances. Topics include budgeting your spending, use of debt, credit, mortgages, savings and investment techniques and vehicles, retirement planning including IRA's, 401K and b plans. Students will learn about investment choices/alternatives including stocks, bonds, and CD's.

MG 281 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. Prerequisite: AN 161.

MG 290 Career Internship 3 cr.

Arrangements are made for students to gain practical experience by working with managerial personnel in selected businesses.

MG 299 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.

MG 301 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: MA 220.

MG 310 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: MG 100.

MG 315 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.

MG 320 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: MG 100 and AC 101.

MG 325 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.

MG 340 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: MG 220.

MG 375 Business Ethics & Social Responsibility (On-Line Delivery) 3 cr.

Ethics are guides to "right" actions & behaviors. In this course the nature of ethics, concepts, 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.

MG 380 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: MG 100, CS 103.

MG 410 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.

MG 420 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: MG 340 or permission of the instructor.

MG 421 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: MG 340 or permission of the instructor.

MG 490 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.

MK 211 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.

MK 214 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.

MK 301 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 MK 214 with a grade of C or better may substitute another marketing or business course with approval of advisor.

MK 305 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: MK 214.

MK 330 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: MK 214 or MK 301.

MK 401 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: MK 301.

MK 420 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: MK 301.

MK 430 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: MK 301.

MT 230 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.

MT 300 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.

MT 310 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.

MT 320 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.

MT 330 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.

MT 340 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 and organization's performance and strategic alternatives.

MT 350 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.

MT 360 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.

MT 370 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.

MT 380 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.

MT 400 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.

MT 410 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.

MT 415 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.

MT 420 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.

MT 430 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.

MT 440 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.

MT 460 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.

NU 113 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 Nursing 222. Students are required to pass the didactic and lab components of this course.

NU 114 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 required to pass the didactic, college lab, and clinical practicum components of this course.

NU 115 Nursing II 10 cr.

Nursing II is the introduction to the care of selected clients undergoing common intra-, inter-, and extrapersonal stressors affecting the individual's lines of defense. The physiological, psychological, sociocultural, developmental and spiritual variables are considered in prioritizing and implementing nursing interventions to promote client stability. Nursing process is utilized in the care of one to two clients with supervision in community hospitals and agencies. Critical thinking is applied in the incorporation of selected theoretical and scientific principles to college and clinical laboratory experiences. The role of the associate degree nursing student continues to expand as provider and manager of care and as a member of the health care team. Students are required to pass the didactic, college lab, and clinical practicum components of this course. Prerequisites: C or better in NU 113, NU 114, and BI 253.

NU 221 Nursing III 10 cr.

Nursing III is designed to further build upon the nursing knowledge and skills acquired in the preceding nursing courses (NU113, NU 114, NU 115). Students refine their ability to use the nursing process and the *Educational Competencies for Graduates of Associate Degree Nursing Programs* (National League for Nursing, 2000) 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 required to pass the theoretical, college lab, and clinical experience portions of this course. Prerequisites: PY 117; C or better in NU 115, BI 252, BI 254.

NU 222 Nursing IV 10 cr.

The focus is on the role of the nurse in assisting clients and families to restore, maintain and promote health within their environment. Consideration of the physiological, psychological, sociocultural, developmental and spiritual variables are included in all aspects of care. Nursing process is integrated into the care of multiple clients in a variety of settings including acute care, mental health care, family care and structured community care settings. Clinical skills are performed safely in all client situations. Management of nursing care is incorporated throughout the course. Theoretical and scientific principles are integrated in all client care performed in college and clinical laboratory settings. The student assumes the personal, ethical and legal responsibilities of the associate degree nurse. The associate degree nursing student is prepared for entry into practice by assuming the roles of provider of care, manager of care and member of the discipline of nursing. Students are required to pass the didactic and clinical practicum components of this course. Prerequisites: C or better in NU 221.

NU 225 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 NU 221.

PH101 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.

PH 101 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 and the lives of children's everyday life activities. Throughout the course, opportunities to investigate the application various subject matter will be provided in 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.

PH 201 Introduction to 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: MA120 Algebra.

PH 202 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 be 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 PH 201.

PI 101 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.

PI 112 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.

PI 301 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.

PI 320 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.

PY 101 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.

PY 102 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.

PY 102 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 child abuse, divorce, etc. are explored and discussed.

PY 117 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.

PY 201 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.

PY 202 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: PY 101.

PY 210 Applied Behavioral Analysis 3 cr.

This course focuses on principles of behavioral learning, behavior management techniques, classical and operant conditioning and data recording and analysis with special populations.

PY 215 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: PY 101.

PY 223 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: PY 101 or SO 101

PY 225 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.

PY 230 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: PY 102 or PY 117.

PY 255 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 (PY 101).

PY 263 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: PY 101, BI 101/102 or BI 105/106.

PY 286 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. Note: C or better required for enrolling in ED312, 330 and 335. Prerequisite: A 100-level psychology course.

PY 287 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.

PY 310 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: PY 101 or PY 102 and any PY 200+ elective.

PY 320 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 the study of challenges across the lifecycle. Topics include partner selection, dating, marriage, parenting, gender roles, power and communication. Prerequisite: PY 101.

PY 335 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 PY 202 and PY 340 or PY 342.

PY 340 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: PY 101.

PY 342 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: PY 101 and PY 102 or PY 117.

PY 363 Positive Psychology 3 cr.

Positive Psychology is the scientific study of optimal human functioning. This course will consider human functioning at several levels, including biological, experiential, personal, relational, and cultural. The pillars of Positive Psychology as proposed by Dr. Seligman, the pleasant life, the good life and its corresponding signature strengths, and the meaningful life will all be explored. Enhancing the quality of life through Csikszentmihalyi's groundbreaking work on FLOW will expand the initial concepts of Positive Psychology. The topics of emotional intelligence, mindfulness, and schema therapy, based on the latest research in neuroscience and cognitive psychology, will all be addressed in their relationship to optimal human functioning.

PY 370 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: PY 101.

PY 392 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 PY340 or PY 342, a minimum GPA of 3.0 and permission of the internship instructor.

PY 393 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: PY 101, PY 340, or PY 342; 2.0 QPA in upper-level Psychology courses and permission of internship coordinator.

PY 401 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: PY 101 and one 300-level course.

PY 420 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 PY 401 and permission of instructor.

PY 430 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: KN 325 and PY 335.

PY 431 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: PY 202 and PY 342 or PY340.

PY 436 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: PY 202, and PY 340 or PY 342.

PY 460 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: PY 401.

SM 232 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.

SM 290 Career Internship 2cr.

SM 370 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.

SM 410 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.

SM 420 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: LA 225.

SM 490 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.

SO 101 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.

SO 101 Introduction to Sociology 3 cr.

This course explores the scientific dimensions of the sociology enterprise. Students are introduced to orienting concepts like culture, socialization and role; the constructed nature of human meaning systems; and theory building in sociology.

SO 201 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: PY 101 or SO 101.

SO 240 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: PY 101 or SO 101.

SO 301 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: PY 101 or SO 101.

SO 310 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: PY 101 or SO 101.

SO 320 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: PY 101 or SO 101.

SO 401 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: PY 101 or SO 101, and MA 220.

SP 101 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.

SP 102 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: SP 101.

VS 310 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: Open to junior Veterinary Science students or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science program.

VS 320 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: Open to Junior Veterinary Science students or by permission of the instructor. Offered in the Spring only.

VS 340 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: Open to junior Veterinary Science students or Biology students who have completed two semesters of Biology, Anatomy and Physiology and BI 252 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science program.

VS 341 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 will be 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: Open to junior Veterinary Science students or Biology students who have completed two semesters of Biology and Anatomy and Physiology 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.

VS 342 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: Open to junior and senior Veterinary Science students 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.

VS 345 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: AS 120 Veterinary Pharmacology and AS 250 Veterinary Anesthesia and Surgery. Open to junior or senior Vet Science students, or junior or senior Biology students with permission of Instructor. A grade of C or better is required for graduation in the Veterinary Science program.

VS 360 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: BI 301 Cell Biology and CH 303 Biochemistry or by permission from the instructor. Open to Vet Science students only. A grade of C or better is required for graduation in the Veterinary Science program. Usually offered in the fall.

VS 371 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: Junior status in the equine management concentration plus AN 271.

VS 412 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: BI 301, VS 310, PI 320, VS 341 or by permission of the instructor. A grade of C or better is required for graduation in the Veterinary Science program.

VS 421 Equine Pathology and Diseases (3 credits) senior year. Students would get an overview of the most common diseases specific to horses, how these diseases develop and may progress. Discussion of therapies and diagnostics would also be included. Pre-requisites: Senior status in the equine management concentration plus AN 271, AN 243, AN 353, and VS 371. OR by permission of instructor** (**Students wishing to take this course who are not in the Equine Management concentration must have a comparable course background to the pre-requisites).

VS 441 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: BI 105, BI 106 or a year of Anatomy and Physiology, & VS 341 or by permission of the instructor. A grade of C or better is required for graduation from the Veterinary Science program.

VS 450 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 will be discussed to introduce the student to career opportunities and activities in various fields of medicine and research. The student will be 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: Limited to senior Veterinary Science students having

satisfactorily completed the junior year curriculum requirement. A grade of C or better is required for graduation in the Veterinary Science program.

VS 490 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.

VS 491 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 VS 490). 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.

VS 492 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 VS 490). 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.

