



COURSE CATALOG

2018-2019



2018-2019 COURSE CATALOG

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may be directed to:

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August 22, 2018

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A Message from the President

Welcome to Becker College. We pride ourselves in offering a college environment where all students feel welcome and supported. As you browse our course catalog you will see offerings on the subjects that drew you to Becker, but I want to take a moment to tell you about our signature initiative—the Agile Mindset—which instills skills to be adaptive, entrepreneurial, to create value, and to have a global perspective. We will teach you to seek new solutions so you can stay ahead in an ever-changing, hyper-connected world where the jobs of tomorrow will likely be completely different than those of today. With this skillset as your foundation for learning, we aim to inspire you to be innovators, entrepreneurs, job creators, and visionary thinkers.

We have a long history of educating pioneers, as the College traces its history to 1784, making it one of the nation’s top-25 oldest institutions of higher learning. It currently enrolls close to 1,800 students on two campuses in Worcester and Leicester, Massachusetts. Becker is ranked, for the sixth consecutive year, as a “Best College” for undergraduate education by The Princeton Review, which has also ranked our game design program 4th in the world. This program has maintained a top-ranked position for nine consecutive years. We have also been recognized, both nationally and in Massachusetts, as a College of Distinction.

This catalog details the diverse programs and concentrations found at Becker—from Animal Science, Design, Interactive Media /Game Design, Equine Studies, and Nursing to professional studies degree programs and new master’s degree programs. Becker is the only private college in Massachusetts and one of two in New England to offer AVMA-accredited undergraduate programs in veterinary technology. Nationally, it is the third-largest producer of undergraduate vet tech degrees among four-year private institutions. Becker’s nursing programs are among the top producers of nurses in Massachusetts, with the first-time NCLEX pass rate consistently meeting or exceeding state and national rates.

Becker is also home to the Massachusetts Digital Games Institute (MassDiGI), a first-in-the-nation center that connects the state’s digital games industry, government, and academia to promote job growth and entrepreneurship and build the talent pipeline between higher education and the digital games industry. Through its involvement in the American Council on Education’s Internationalization Laboratory, the College developed a global engagement strategy to support Global Citizenship as a key attribute of a Becker College education. In 2015, Becker College was designated as the first Yunus Social Business Centre in the U.S., and the 15th in the world. The following year, it became one of the first colleges or universities to mandate a 100% social impact strategy across its endowment.

We have built a history of success by challenging and supporting our students in achieving their goals. By inspiring initiatives like the Agile Mindset, we provide a supportive and inclusive learning community that prepares graduates for their first—to last—careers.

Sincerely,

Nancy P. Crimmin, Ed.D.
President

Becker College 2018 - 2019 Academic Calendar

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

Fall Semester 2018

Sunday, August 19	Summer Bridge Student Move-In Day
Wednesday & Thursday, August 22 & 23	Faculty Workshop
Thursday, August 23	Adjunct Faculty Workshop
Friday, August 24	Opening Weekend. . . First-Year Student & Transfer Student Move-In Day
Friday, August 24 - Sunday, August 26	First-Year Student Orientation (cont'd)
Sunday, August 26	Resident Upper-Classmen Move-In Day
Sunday, August 26	Fall Convocation
Monday, August 27	Classes Begin
Friday, August 31	Last Day to Add/Drop a Class
Saturday, September 1	<i>Professional Studies – Block A – Courses Begin</i>
Monday, September 3	Labor Day – No Classes
Monday, September 3	<i>Professional Studies – Module 1 – Courses Begin</i>
Monday, September 10	<i>Professional Studies – Block A – Last Day to Add/Drop</i>
	<i>Professional Studies – Module 1 – Last Day to Add/Drop</i>
Monday, September 17 <i>with a 50% Refund</i>	<i>Professional Studies – Block A – Last Day to Withdraw</i>
<i>with a 50% Refund</i>	<i>Professional Studies – Module 1 – Last Day to Withdraw</i>
Saturday, October 6	<i>Professional Studies – Module 1 – Courses End</i>
Monday, October 8	Columbus Day – No Classes
Monday, October 8	<i>Professional Studies – Module 2 – Courses Begin</i>
Tuesday, October 9	Pre-Registration Advising Begins
Monday, October 15	<i>Professional Studies – Module 2 – Last Day to Add/Drop</i>
Wednesday, October 17	Mid-Term Grades Due
Saturday, October 20	Fall Open House
Sunday, October 21	<i>Professional Studies – Block A – Courses End</i>
Monday, October 22 <i>with a 50% Refund</i>	<i>Professional Studies – Module 2 – Last Day to Withdraw</i>
Saturday, October 27	<i>Professional Studies – Block B – Courses Begin</i>
Monday, November 5	Pre-Enrollment for Spring 2019 Begins

Saturday, November 10

Monday, November 12

Monday, November 12

Monday, November 12
Grade

with a 50% Refund

Monday, November 19

Wednesday, November 21 – Sunday, November 25

Monday, November 26
with a 50% Refund

Wednesday, December 5

Friday, December 7

Saturday, December 8 – Friday, December 14

Saturday, December 15

Saturday, December 15

Sunday, December 16

Monday, December 17

Intercession 2018-2019

Wednesday, December 19

Friday, December 21

Friday, January 4
Grade

Saturday, January 5

Spring Semester 2019

Wednesday, January 9

Wednesday, January 9

Wednesday, January 9

Thursday, January 10

Saturday, January 12

Monday, January 14

Professional Studies – Block B – Last Day to Add/Drop

Professional Studies – Module 2 – Courses End

Veterans' Day 'Observed' – No Classes

Athletic Open House

Last Day to Withdraw from a Course Without a

Professional Studies – Block B – Last Day to Withdraw

Professional Studies – Module 3 – Courses Begin

Professional Studies – Module 3 – Last Day to Add/Drop

Thanksgiving Break – No Classes

Professional Studies – Module 3 – Last Day to Withdraw

Senior Showcase (December graduates)

Classes End

Final Examinations

Final Examinations Make-up Day

Professional Studies – Module 3 – Courses End

Professional Studies – Block B – Courses End

Final Grades Due

Last Day to Register

Courses Begin

Last Day to Drop a Class for a Full Refund

Last Day to Withdraw from a Course Without a

Courses End

Faculty Workshop (snow date January 12)

Adjunct Faculty Workshop (snow date January 12)

**Residents Arrive
Orientation and Assessment for January Entrants**

Classes Begin

Professional Studies– Block A – Courses Begin

Professional Studies – Module 1 – Courses Begin

Thursday, January 17	Last Day to Add/Drop a Class
Monday, January 21	Martin Luther King Day – No Classes
Monday, January 21	<i>Professional Studies – Block A – Last Day to Add/Drop</i>
	<i>Professional Studies – Module 1 – Last Day to Add/Drop</i>
Saturday, January 26	Accepted Students Day for Early Decision and Early Action Students
Monday, January 28	Pre-Registration Advising Begins
Monday, January 28 <i>with a 50% Refund</i>	<i>Professional Studies – Block A – Last Day to Withdraw</i>
<i>with a 50% Refund</i>	<i>Professional Studies – Module 1 – Last Day to Withdraw</i>
Saturday, February 16	<i>Professional Studies – Module 1 – Courses End</i>
Monday, February 18	Presidents' Day – No Classes
	<i>Professional Studies – Module 2 – Courses Begin</i>
Monday, February 25	<i>Professional Studies – Module 2 – Last Day to Add/Drop</i>
Sunday, March 3	<i>Professional Studies – Block A – Courses End</i>
Monday, March 4 <i>with a 50% Refund</i>	<i>Professional Studies – Module 2 – Last Day to Withdraw</i>
Thursday, March 7	Mid-Term Grades Due
Saturday, March 9	<i>Professional Studies – Block B – Courses Begin</i>
Monday, March 11 – Sunday, March 17	Spring Break – No Classes
Monday, March 18	<i>Professional Studies – Block B – Last Day to Add/Drop</i>
Saturday, March 23	<i>Professional Studies – Module 2 – Courses End</i>
Monday, March 25 <i>with a 50% Refund</i>	<i>Professional Studies – Block B – Last Day to Withdraw</i>
Monday, April 1	<i>Professional Studies – Module 3 – Courses Begin</i>
	Pre-Enrollment for Fall 2019 Begins
Monday, April 8 <i>with a 50% Refund</i>	<i>Professional Studies – Module 3 – Last Day to Add/Drop</i>
Wednesday, April 10 Grade	<i>Professional Studies – Module 3 – Last Day to Withdraw</i>
Saturday, April 13	Last Day to Withdraw from a Course Without a
Friday, April 19	Accepted Students Day
Wednesday, April 24	Good Friday – No Classes
Thursday, April 25	Senior Showcase
	Classes End

Friday, April 26 – Thursday, May 2

Saturday, April 27

Sunday, April 28

Friday, May 3

Saturday, May 4

Tuesday, May 7

Wednesday & Thursday, May 8 & 9

Summer Semester 2019

Saturday, May 11

Monday, May 13

Monday, May 20

Monday, May 20

Friday, May 24

Monday, May 27

with a 50% Refund

with a 50% Refund

Saturday, June 15

Monday, June 17

Monday, June 24

Sunday, June 30

Monday, July 1
with a 50% Refund

Thursday, July 4

Saturday, July 6

Monday, July 15

Saturday, July 20

Monday, July 22
with 50% Refund

Monday, July 29

Monday, August 5
with a 50% Refund

Final Examinations

Professional Studies – Module 3 – Courses End

Professional Studies – Block B – Courses End

Honors Convocation

Commencement @ 10:00 a.m.

Final Grades Due

Faculty Workshop

Professional Studies – Block A – Courses Begin

Professional Studies – Module 1 – Courses Begin

Professional Studies – Block A – Last Day to Add/Drop

Professional Studies – Module 1 – Last Day to Add/Drop

12 Week Summer Sessions Begin

12 Week Summer Sessions - Last Day to Add/Drop

Memorial Day – No Classes

Professional Studies – Block A – Last Day to Withdraw

Professional Studies – Module 1 – Last Day to Withdraw

Professional Studies – Module 1 – Courses End

Professional Studies – Module 2 – Courses Begin

Professional Studies – Module 2 – Last Day to Add/Drop

Professional Studies – Block A – Courses End

Professional Studies – Module 2 – Last Day to Withdraw

Independence Day – No Classes

Professional Studies – Block B – Courses Begin

Professional Studies – Block B – Last Day to Add/Drop

Professional Studies – Module 2 – Courses End

Professional Studies – Block B – Last Day to Withdraw a

Professional Studies – Module 3 – Courses Begin

Professional Studies – Module 3– Last Day to Add/Drop

Professional Studies – Module 3– Last Day to Withdraw

Friday, August 9

12 Week Summer Sessions - End

Saturday, August 24

Professional Studies – Module 3 – Courses End

Sunday, August 25

Professional Studies – Block B – Courses End

Introduction & Educational Philosophy

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

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

Becker College provides a strong foundation in a supportive, hands-on learning environment. Regardless of their field of study, Becker College students graduate not only with the knowledge and skills in their majors, but also the agility and ability to adapt to change. The College prepares students across all majors to navigate what experts have described as the greatest velocity of change in human history – through a foundation in learning agility known as the Agile Mindset.

Becker believes the Agile Mindset is essential for success in the increasingly complex, automated and hyper-connected world of the 21st century. It is infused into the curriculum and merges learning agility and value-creation orientation with a focus on four uniquely human skillsets: empathy to understand the needs of others and inspire innovation; divergent thinking to explore possibilities and discover opportunities where they may not appear to exist; an entrepreneurial outlook to create new value regardless of job position; and social and emotional intelligence to collaborate effectively with others in interdisciplinary teams.

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 active, agile, and life-long learning.

Becker College traces its history to 1784—one of the nation's top-25 oldest institutions of higher learning—with a founding charter signed by American Revolutionaries John Hancock and Samuel Adams. Today close to 1,800 students from across the nation and around the world live and learn on two distinctively New England campuses, located six miles apart, in the heart of Massachusetts.

The Worcester campus is situated in the Elm Park neighborhood of Worcester—New England's second largest urban center, with a population of approximately 180,000. With its quiet tree-lined streets and historic Victorian-style homes, the Worcester Campus is only a short walk from the downtown business district. The greater Worcester area is home to more than 30,000 students at 12 colleges. The Leicester Campus is situated in a quintessential New England country town, adjacent to an historic village green. This rural setting provides space for Becker's Division III athletic team facilities and for the animal studies programs. The College provides students with a free shuttle service, which enables them to move easily between campuses.

Accreditation and Memberships

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

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

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

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

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

Accreditations

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

Memberships

- Academic and Research Collaborative (ARC)
- American Association of Colleges of Nursing (AACN)
- American Association of Collegiate Registrars and Admissions Officers
- American Association for Laboratory Animal Science (AALAS)
- American Council on Education (ACE)
- American International Recruitment Council (AIRC)
- American Library Association (ALA)
- Association for Continuing Higher Education (ACHE)
- Association for Institutional Research (AIR)
- Association of American Colleges & Universities (AAC&U)
- Association of College & Research Libraries (ACRL)
- Association of Governing Boards of Universities and Colleges
- Association of Independent Colleges and Universities in Massachusetts (AICUM)
- Association of International Education Administrators (AIEA)
- Association of Veterinary Technician Educators (AVTE)
- Association on Higher Education and Disability (AHEAD)
- Blackstone Valley Chamber of Commerce
- Central Massachusetts Regional Library System (CMRLS)
- College Reading and Learning Association
- Colonial Hockey Conference (CHC)
- Commonwealth Coast Conference (CCC)
- Council for the Advancement and Support of Education (CASE)
- Council for Higher Education Accreditation (CHEA)
- Council of Independent Colleges (CIC)
- Council on Competitiveness
- Council on International Education Exchange (CIEE)
- Disability Compliance in Higher Education
- Eastern Collegiate Athletic Conference (ECAC)
- EDUCAUSE
- Higher Education Consortium of Central Massachusetts (HECCMA)
- Innovative Users Group (IUG)
- Intercollegiate Horse Show Association (IHSA)
- International Association of Campus Law Enforcement Administrators (IACLEA)
- International Association of Chiefs of Police
- Law Enforcement Executive Development Association (FBI-LEEDA)
- Leicester Business Association
- LYRASIS
- Massachusetts Association of Campus Law Enforcement Administrators (MACLEA)
- Massachusetts Chiefs of Police Association
- Massachusetts Library Association (MLA)
- Massachusetts Library System (MLS)
- Massachusetts/Rhode Island League for Nursing

- Massachusetts/Rhode Island Association for Counselor Education and Supervision (MARIACES)
- Massachusetts Society for Medical Research (MSMR)
- Massachusetts Veterinary Technician Association (MVTA)
- Millennium Campus Network (MCN)
- NAFSA: Association of International Educators
- National Association for Campus Activities (NACA)
- National Association of College Admissions Counselors
- National Association of College and University Business Officers
- National Association for Education of Young Children (NAEYC)
- National Association of Independent Colleges and Universities (NAICU)
- National Association of President's Assistants in Higher Education (NAPAHE)
- National Association of Student Financial Aid Administrators
- National Association of Student Personnel Administrators (NASPA)
- National Association of Veterinary Technicians in America (NAVTA)
- National Collegiate Athletic Association (NCAA)
- National League for Nursing
- NELINET, Inc.
- New England Association of College Admissions Counselors
- New England Association of Collegiate Registrars and Admissions Officers
- New England Association of Schools and Colleges (NEASC)
- New England Association for Cooperative Education and Field Experience
- New England Collegiate Conference (NECC)
- New England Council, Inc.
- New England Transfer Association
- Northeast Association for Institutional Research (NEAIR)
- Northeast Regional Computing Program (NERCOMP)
- Online Computer Library Center, Inc. (OCLC)
- Public Relations Society of America (PRSA)
- Scholars at Risk Network
- The College Board
- Thompson HR
- Thompson Information Services
- Westchester Academic Library Directors Organization (WALDO)
- Worcester Art Museum
- Worcester Chamber of Commerce
- Worcester Education Collaborative

Our Vision

Becker College will become nationally recognized as an innovative, creative institution renowned for its focus on delivering to the world highly educated students with the ability and agile mindset to be entrepreneurial, socially responsible global citizens who are able to navigate the complexities of a rapidly changing world.

Our Mission

Becker College provides transformative learning experiences in a socially responsible, inclusive community—anchored by its Core Values—which promotes academic excellence, inspires innovation and entrepreneurship, fosters an agile mindset, and prepares graduates to contribute to a global society that is increasingly focused on change.

Our Core Values

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

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

Excellence

- We are committed to providing the best educational experience possible to every student.
- We seek to develop the strengths and talents of all members of our community so they can achieve their personal best.
- We develop and pursue the highest standards in all that we do, and promote a climate of continuous improvement.

Accountability

- We strive for quality in faculty and staff, facilities, programs, and services.
- We promote honesty and transparency in support of student and employee success.
- We encourage responsible decision-making and conflict resolution that respects the dignity of others.

Community & Diversity

- We believe that differences and diversity strengthen our community.
- We respect and value all people and their perspectives.
- We foster a community of open and honest dialogue that encourages an unfettered exchange of ideas, with civility and respect, for the empowerment of all.

Social Responsibility

- We believe in the value of community service and engagement, and in being active citizens of the world.
- We are dedicated to developing responsible citizens of the world who are committed to social justice for all by providing opportunities for service, social justice education, and engagement.
- We share a passion for making our community and the world a better place.

Integrity

- We uphold behaviors that contribute to the development of a positive community.
- We adhere to policies that respect all members of the community.
- We behave ethically toward each other and to those in the communities we serve.

Creative Expression

- We provide a range of social, educational, cultural, and recreational programs and events designed to expand and enhance experiences for our community.
- We are committed to the development of an interactive, collaborative, and innovative community that encourages working creatively within and across disciplines.
- We believe in the transformational power of dreams and aspirations, and foster an environment rooted in creative thought, inquiry,
- and self-discovery.

Location

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

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

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

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

Worcester Campus

Becker's Worcester Campus is situated in the Elm Park section of Worcester; a quiet area of tree-lined streets and Victorian and early twentieth-century homes, and a short walk from the downtown business district. The city of Worcester (pop. 183,000) is New England's second largest urban center.

Just forty miles west of Boston, air, rail, and bus transportation connect Worcester to all major points and the Worcester Regional Transit Authority provides regular bus service throughout the area. Students find this location to be outstanding, with opportunities to participate in many cultural, social, and recreational activities.

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 include hand-carved paneling and fireplace mantels, stained-glass windows, and detailed woodwork. The oldest, Colton Hall, was obtained in 1936. The newest—the Colleen C. Barrett Center for Global Innovation and Entrepreneurship, which opened in 2018—blends technology with history in a newly renovated and expanded historic building.

The Barrett Center serves as the home of the Yunus Social Business Centre @ Becker College, an Augmented Reality/Virtual Reality Lab and Live Game Studio, the esports club, faculty offices and meeting rooms, Petricore, Inc.—founded by Becker College alumni—and the Massachusetts Digital Games Institute (MassDiGI) and the MassDiGI New Ventures Center. In 2011, Becker was designated by the Commonwealth as the home of MassDiGI, a partnership among the digital games industry, government, and academia that fosters job growth and economic development and builds the digital games talent pipeline from higher education to industry.

The John J. Dorsey, Sr., Crime Scene Lab was dedicated on the Worcester Campus in 2014, to complement the College's criminal justice programs and to honor the late Professor John Dorsey, who taught legal studies at Becker for nearly 40 years.

Leicester Campus

The Leicester Campus surrounds the historic village green at the junction of Routes 9 and 56 in the center of Leicester. The Worcester Regional Transit Authority provides regular bus service from the city to the campus. Students who reside on the Leicester campus have the opportunity to participate in many of the cultural, social, and recreational activities of the metropolitan area while living in a small New England town, rich in a history that predates the American Revolution.

Leicester's character is reflected in the blend of traditional and modern campus buildings. Several 19th century buildings provide a link with Leicester's historic past. Hitchcock, Winslow, and Lane Halls were built before the War of 1812. May House, formerly the Reverend Samuel May House, was officially recognized in June 2008 as a stop on the Underground Railroad.

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

The lobby, biology and chemistry laboratories, and Daniels Hall auditorium, in our award-winning Borger Academic Center, were renovated in 2008, and space for the Jacob Knight Memorial Art Gallery was dedicated in 2016. A new residence hall, Barrett Hall, was dedicated to Becker College alumna Colleen Barrett, president emerita of Southwest Airlines, and opened in 2008.

The George F. and Sybil H. Fuller Campus Center opened in fall 2012. The 35,727-square-foot brick and glass structure is linked to the previous student center by a glass bridge connector and a neo-classical masonry tower. The center allows the College to create vibrant programming 18 hours-a day.

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

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

Undergraduate Admissions

Becker College is an undergraduate and graduate, career-focused private college with an enrollment of close to 1,800 students. Becker provides an ideal educational atmosphere for students who desire a nurturing environment and strong community spirit. Faculty members mentor students to foster personal growth as well as academic success.

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

Campus Visits and Admissions Events

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

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

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

Students or family members who are requesting special accommodations while on their campus tour are encouraged to contact the admissions office at least three weeks beforehand. Those who have mobility challenges may receive an alternative campus tour if requested beforehand. Visitors are also encouraged to tour our campus virtually with our online virtual tour, which includes a closed-caption option.

Admission Process and Deadlines

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

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

Application Deadlines

Semester	Applicant	Application Option	Application and Credentials Due Date
Fall	First Year	Early Decision	November 15 th
Fall	First Year and Transfer	Early Action	November 15 th
Fall	First Year and Transfer	Regular Decision	February 15 th
Fall	First Year and Transfer	Rolling Admissions	February 15 th – August 31 st
Spring	First Year and Transfer	Rolling Admissions	Space-available basis

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

Early Decision

Early Decision (ED) is a **binding** application. Students who apply for ED and are accepted must attend Becker College. Students applying ED must submit all admission application credentials by November 15th. ED applicants who are interested in applying for need-based financial aid can visit our financial aid webpage. Students accepted in ED will be notified by December 15th; students will also receive a financial award letter by this time. The deposit deadline for ED students is February 1st. Students who are not admitted in ED will have their file reviewed with the Regular Decision applicant pool; these students may be requested to submit additional paperwork (updated grades, recommendations).

Early Action

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

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

Please send all application items to:

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

Acceptance and Confirmation

All accepted students are required to forward a \$300 tuition commitment deposit to confirm their enrollment in the entering class. This deposit is due by May 1st. Please be aware that depositing to a college is an important decision. Students should be depositing to only one college. Deposits received prior to May 1st are refundable by written request up to May 1st and are non-refundable thereafter. The tuition commitment deposit is credited on the tuition bill. Students requesting on-campus housing accommodations must submit an additional \$100 non-refundable housing deposit with their tuition deposit.

Admissions Requirements and Procedures

Freshman Applicants

To be considered for admission, applicants should have an earned GPA of 2.0 in a college preparatory curriculum or better (**2.5 GPA for Nursing, 2.7 for: Vet Tech, Vet Science, Pre-Vet applicants**).

Complete applications will include:

- A completed application for admission.
- An official copy of the secondary school transcript sent directly to Becker College. Students who have received a General Equivalency Diploma (GED) must forward an official score report. Freshman admission is contingent upon the applicant's final graduation from high school or successful completion of the GED. Applicants will need to have a final transcript submitted to Becker College following the release of final grades.
- SAT I or ACT scores. Becker College's CEEB code is 3079.
- Optional letter of recommendation, which attests to the applicant's individual qualifications. Becker College recognizes that all students are individuals and will consider each applicant's personal strengths and achievements. Any other supporting materials that are submitted will be considered.
- Optional essay on any topic, approximately 250-500 words in length.
- Applicants whose GPA falls below a 2.0 or whose curriculum was not entirely college preparatory will be reviewed on an individual basis. Applicants must submit all the items listed above, two letters of recommendation (one from a guidance counselor), and an essay and/or a personal interview.
- Students applying to Health and Sciences majors please see Health and Sciences Applicants section for specific entrance requirements.

Nursing Program Admissions:

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

Admission to nursing (pre-licensure ASN and BSN) in the nursing program is competitive, and the requirements listed below are minimums. **Due to the competitive application process only the most academically qualified students will be selected. Selection process is TEAS reading score. In the event that several students have equal qualifications, then students with Certified Nursing Aide experience will be prioritized.**

Nursing Program Promotion and Progression criteria and specific nursing program policies are detailed in the Becker College Nursing Student Handbook.

Applicants must apply to the specific nursing program/track they desire to enter. Students seeking transfer from one Becker College pre-licensure nursing program to another must petition the Center for Career Education and Advising for presentation to the Nursing Faculty Association for a decision. Transfer admissions are not guaranteed.

Transfer Admission from other Nursing Programs: Prerequisite courses are assessed by the college for transfer ability; Nursing courses do not transfer.

Academic Requirements:

- G.P.A. of 2.5 or better.
- It is required that the nursing program science courses be completed within 5 years prior to admission with a grade of C or better.
- Complete a three-credit college course in College Algebra and Statistics within 5 years with a grade of C or better.
- All nursing applicants (freshmen, transfer or current students looking to change their major to nursing) must successfully complete either the ACT/SAT exam or the TEAS exam. Students who have an ACT Composite score below 19 or a SAT score below 900 on the SAT Critical Reading and Math sections must take and score proficient or higher on the TEAS exam as part of their application. Note: scores are subject to change.

Additional Requirements for Associate Degree and Pre-Licensures BSN nursing programs

Clinical and health requirements must be met prior to the first nursing course. Refer to the Student Health Services on the Becker website for details.

Physical requirements please refer to the essential functions of a nursing student section in the Nursing Student Handbook. For questions, please see the Disability Specialist in the Collaborative Learning Center.

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

- **CPR**
American Heart Association Basic Life Support (BLS) for Health Care Providers – Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED) Certification
- **CORI and SORI Check**
All students in the Becker College pre-licensure nursing programs must submit to a national Criminal Offenders Record Investigation (CORI) and Sex Offender Registry Information Act (SORI) check upon admission to the program prior to the start of the first nursing courses. The CORI and SORI will be repeated every semester during the program. Any student whose CORI or SORI reflects conviction of certain offenses will be **NOT be eligible** for placement at a clinical agency and may be excluded from eligibility for nurse licensure in Massachusetts, in accordance with the Massachusetts Board of Registration in Nursing Licensure Policy. Participation in planned clinical experiences throughout the nursing curriculum is required, therefore inability to participate in clinical will result in withdrawal from the nursing program. Acceptance into the course or program does not guarantee clearance for a clinical agency placement.
- **MA BORN Good Moral Character (GMC)**
Misdemeanor and felony convictions, and discipline by a licensure/certification body are evaluated by the Massachusetts Board of Registration in Nursing to determine licensure applicant compliance with the “good moral character” licensure requirement established in the Massachusetts General Laws, Chapter 112, section 74 and 74A. The Becker College nursing programs evaluate GMC in accordance with MA BORN regulations.
<http://www.mass.gov/eohhs/docs/dph/quality/boards/nursing/nursing-good-moral-policy.pdf>.
- **Drug Testing**
As a result of clinical affiliation requirements, nursing students are required to have a comprehensive “10-Panel” urine drug screen with results provided to the Student Health Services Office **prior to the beginning of their clinical course**. Permission for release of results must be authorized to the Director of Student Health. If the student’s drug screen is positive, the student must submit written proof of a prescription for the appropriate medication prior to beginning clinical. Students who test positive for any street drug will not be allowed admission into the program or continued program progression. This policy is aligned with the policies of our clinical partners. There may be additional restrictions based upon each individual clinical facility’s policy and regulations. Failure to disclose any of this information or a positive drug screening will prevent students from attending clinical and the completion of the course, which will result in dismissal from the nursing program. **Drug screenings must be completed prior to the first nursing clinical course and annually thereafter.**

Post Licensure Bachelor of Science in Nursing (RN-BSN) Applicants

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

- Complete an RN to BSN application form.
- Have graduated from a state approved and nationally accredited nursing program.
- Hold a current unencumbered registered nursing license.
- Becker College will honor the Massachusetts Department of Higher Education nursing education transfer policy which can be found at the following link.
http://www.mass.edu/forstufam/transfer/transfernursing_implementation.asp

Transfer Admissions to Nursing Programs (Pre-Licensure)

Transfer Admission from other Nursing Programs: Prerequisite courses are assessed by the college for transfer ability. Registered nursing courses from other college's do not transfer in.

Advanced Placement into Nursing Courses

Licensed Practical Nurses will be considered for advanced placement in both undergraduate nursing programs provided they:

- Hold an unencumbered license to practice nursing in the State of Massachusetts.
- Petition the nursing faculty for consideration.

The nursing faculty will consider state-wide nursing educational mobility recommendations of the Department of Higher Education and the Board of Registration in Nursing to inform their decision.

Accreditation Information

The Pre-Licensure Associate of Science and the Baccalaureate Degree in Nursing Programs are accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN) and approved by the Massachusetts Board of Registration in Nursing (BORN).

Associate of Science and the Baccalaureate Degree Nursing programs prepare student s for the National Council Licensure Examination for Registered Nurses (NCLEX -RN). Students acquire nursing skills for the beginning level of practice and graduate with the competencies to assume the role of a registered nurse in the direct care of patients with health needs and problems across the continuum of care throughout the life span.

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.

Contact Information:

Massachusetts Board of Registration in Nursing (BORN)

239 Causeway Street, 5th Floor, Suite 500

Boston, MA 02114

1-800-414-0168

www.mass.gov/dph/boards/rn

Accreditation Commission for Education in Nursing, Inc. (ACEN)

3343 Peachtree Road, NE, Suite 850

Atlanta, GA 30326

404-975-5000

<http://www.acenursing.org/>

Becker College is accredited by the New England Association of Colleges and Secondary Schools.

New England Association of Schools and Colleges

3 Burlington Road

Burlington, MA 01803

781-425-7700

<https://www.neasc.org/>

Career Opportunities

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

Please refer to the specific admission requirements for all Nursing programs in the Admission section of the academic catalog, under the nursing applicants section.

Freshman Applicants: Veterinary Science

For the 2017 admissions cycle, in addition to the requirements listed under Freshman Applicants, all Veterinary Science Program applicants must:

- Earn cumulative G.P.A. of 2.7 or better.
- Complete 2 years of college preparatory level secondary school science including Biology with a lab and Chemistry with a lab. Both courses must be completed within 5 years with a minimum grade of C+. A four-credit college course in Biology with a lab and a four-credit college Chemistry course with a lab within 5 years with grades of C or better will also satisfy the prerequisite science requirement.
- Complete 2 years of college preparatory level secondary school mathematics including Algebra I and II or Algebra I and Geometry. Both courses must be completed within 5 years with a minimum grade of C+. A three-credit college course in College Algebra within 5 years with a grade of C or better will also satisfy the prerequisite math requirement.
- Complete 3 years of secondary school English with a grade of C or better.

- Based on placement test results, students may be required to take MATF1001 Foundations of College Mathematics. Early placement testing is advised to avoid delay in beginning clinical coursework. Students are strongly advised to complete the Foundations course during the summer Gateway program.
- The aforementioned grade requirements are minimums. Due to the competitive selection process for the Veterinary Science majors, only the most academically qualified students will be directly admitted into these programs.

Students who do not meet the above criteria but satisfy the general admissions requirements of the college may be accepted as an Undecided-Veterinary Science student or may choose another major at the college. They can then take the appropriate courses to allow them to meet the admission requirements of the following Veterinary Science programs: Pre-Veterinary or Laboratory Animal Science.

The Undecided-Veterinary Science program is a structured, one semester program through which students may meet the requirements listed above at the college level. Students will take the following courses:

BIOL 1001*	4 cr
CHEM 1001*	4 cr
MATH 1200*	3 cr
CORE 1001	3 cr

NOTE: Students who do not meet the SAT requirement for college algebra or accuplacer requirement for college algebra are encouraged to register for the Gateway math class offered over the summer. There is no extra cost for this class.

Students must achieve grades of C+ or better in the (*) courses and a minimum 2.7 GPA overall. Having achieved that GPA, they will be automatically transferred into the Veterinary Science program of their choice (Veterinary Science: Concentration in Pre-veterinary or Laboratory Animal Science). A student who achieves a grade of C may be eligible to petition for acceptance on a space available basis. Undecided-Veterinary Science students are not eligible to automatically transfer into the Associates in Veterinary Technology program or the Bachelors of Veterinary Science: Concentration in Veterinary Technology program. These programs require petitioning to the Dean of the school for a major change and are approved only on a space available basis.

Undecided-Veterinary Science students will be monitored and if they are meeting the requirements at the time midterm grades are posted they will be allowed to register for the appropriate Veterinary Science courses. The actual change of major will not occur until final grades have been submitted.

Students who are **not meeting** these requirements at the time midterm grades are submitted will be counseled to consider another major at the college in which they might enroll. If, after examination of final grades they have met the standard set above, they will be allowed to change their major to the desired Veterinary Science program and register for the appropriate Veterinary Science courses. If they have not met the requirements after final grades they must meet with their advisor and select another major.

Students may not remain in the Undecided-Veterinary Science program for more than one semester and are not allowed to select this status after the add-drop period of their first semester ends.

Other considerations:

Students who wish to complete only select courses are not considered Undecided-Veterinary Science, and they should be enrolled in a program such as biology which allows them to meet admission requirements for the Veterinary Science programs while concurrently making progress towards a degree. Acceptance into the Veterinary Science majors once a student has matriculated at the college level is based on college grades and college GPA. High school science and math grades no longer have any bearing on the request to change majors.

While students in the Undecided-Veterinary Science program have additional attention paid to academic progress during the first semester, the responsibility for understanding the requirements rests with the student. Students who pursue acceptance into the Veterinary Science programs outside of the Undecided-Veterinary Science program are responsible for course selection and requirements as well.

Application into the Veterinary Science programs from outside of the School of Animal Studies and Natural Sciences requires completion of an internal application and provision of all college transcripts to the Dean of the School of Animal Studies and Natural Sciences' office. Students should gather and present the application in the semester in which they expect to meet the requirements. Applications will not be accepted until after mid-term grades are due with a deadline of the second Friday after mid-term grades are due. While the decision will be made after final grades are issued, students may be conditionally accepted and allowed to register for the appropriate veterinary science courses. Students who petition to transfer into the veterinary science programs must have achieved grades of C or better in BIOL1001, CHEM1001, and MATH1200 and have a minimum 2.7 GPA overall. Internal transfer into the Veterinary Science programs is also dependent on available space and is not 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. SATs may be waived for applicants who graduated from high school more than one year prior to enrolling at Becker College.

International Applicants

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

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

- A completed application for admission and International Student Application Addendum.
- An official transcript of all secondary school grades (translated in English) and evaluated by an outside organization. A list of agencies can be found on the National Association of Credential Evaluation Services (NACES®) website (www.naces.org).
- Official college transcripts of all credits earned, translated in English and evaluated by a credential evaluation service. Please visit www.naces.org for a list and websites of organizations.
- Official TOEFL (Test of English as a Foreign Language) score report if your native language is not English. Becker requires a minimum TOEFL score of 79/80 for the internet based TOEFL, 213 computer based or 550 paper based for admission. TOEFL scores should be sent directly to Becker College. The CEEB code is 3079. Testing must be within one year of application to Becker College. For TOEFL testing information please contact:

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

- Financial documentation and completion of a Declaration of Finances form to indicate the ability to pay for tuition and living expenses of at least \$56,000 (for 10 months) in US dollars.
- Deadlines for International applications are June 15 for the Fall semester and November 15 for the Spring semester. Deadlines are in place due to the potentially lengthy process of applying for the student visa at the embassy. International applicants are encouraged to be patient with the process of obtaining the student visa. Entering the country on a visitor's visa with the intent to change to a student visa while in the United States is not advisable.
- Payment of the \$200 SEVIS I-901 fee is required by the U.S. Department of Homeland Security by the international student when s/he receives the I-20.

Transfer Admissions

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

- Official transcripts from all colleges and/or universities attended. Official transcripts are required for transfer credit evaluation and awarding of Becker College credits.
- Completion of the Dean of Students Certification and Recommendation Form from any college attended within the past three years

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

Completion of a minimum of 30 credits at Becker College in order to be awarded a bachelor's degree, exclusive of any credits awarded for Prior Learning, AP, CLEP, or other acceptable sources.

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

General education courses completed with at least a C- grade from a regionally accredited institution will be reviewed for potential transfer credit. Math/science classes must be completed with at least a C grade. All transfer credits are subject to the time restrictions below. A grade of P is acceptable, provided the transfer school's transcript key lists a letter grade equivalent to a C-.

Foundations/developmental/preparatory courses will not transfer to Becker College for credit toward graduation requirements (see course description for notation of foundations/developmental/preparatory course type).

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

Science and Technology courses	good for up to 5 years
Courses in the Major	good for up to 10 years
General Education courses	no time limit

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

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

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

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

Transfer Admission for Bachelor of Veterinary Science, Concentration in Veterinary Technology (after completion of an associate degree from an AVMA accredited Veterinary Technology program)

For admission into the Bachelor of Science in Veterinary Science: Concentration in Veterinary Technology 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 2.7. The institution must also hold the appropriate regional accreditation.
- Completion of all associate level core veterinary technology courses at an AVMA accredited veterinary technology program with a grade of C or better.
- Final selection of transfer students is based on the cumulative GPA of all completed undergraduate courses taken and a GPA calculated on all courses in the physical and biological sciences, mathematics and core veterinary technology courses.
- Students transferring with less than 60 credits toward an associate's degree from an AVMA accredited program who meet all other admissions requirements will be reviewed on an individual basis.

- Transfer applicants must have a four-credit college course in Biology with a lab and a four-credit college Chemistry course with a lab within 5 years with grades of C or better will also satisfy the prerequisite science requirement. A three-credit college course in College Algebra within 5 years with a grade of C or better will also satisfy the prerequisite math requirement.

For additional information see above section titled: **Freshman Applicants: Veterinary Science.**

Additional Admissions Information

Advanced Placement

Becker College awards credit to applicants who have participated in the Advanced Placement (AP) Program of the College Board and have earned exam scores of 4 or better for math and science courses or 3 or better in other courses. Official test results must be forwarded to the Admissions Office for consideration.

Campus Options

First-year and new students will fill out a housing preference form in the spring prior to enrollment for fall admissions and in December for spring admissions. Requests to live on a particular campus will be honored as space allows. Housing on one particular campus versus the other cannot be guaranteed. A campus shuttle provides transportation between the campuses and runs on a regular schedule throughout the day. The majority of students will take classes on both campuses. Please contact housing@becker.edu for more information.

College Level Examination Program

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

Criminal Background Policy: CORI Policy and & SORI Policy

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

The Becker College application for Graduate and Undergraduate, Degree and Non-Degree seeking students includes questions concerning prior misconduct.

Becker College reserves the right to deny admission to applicants because of past misconduct. Becker College further requires the Title IX Coordinator, or designee, to review all applications in which a student discloses past misconduct and to make a decision as to whether the admission of the applicant will be in the best interest of Becker College.

Applicants who fail to give complete and accurate responses to the conduct section of the admission application may be subject to denial of admission, disciplinary action, invalidation of credits or degrees earned and rescission of admission upon discovery of the misstatement or omission.

All applicants who respond affirmatively to conduct questions will be subject to the same review and will not be considered for admission to Becker College until cleared by the Title IX Coordinator.

APPLICABILITY

This Policy is with regard to admission only. Colleges or Programs with designated independent admission processes may conduct prior conduct reviews before admission and may also require background checks for admission to their unique areas and during enrollment as required for clinical placements. The results of these mandatory background checks may be cross-referenced against responses to admission inquiries at any time. Inconsistencies may result in rescission of admission and/or referrals for violations of the Student Code of Conduct.

PROCESS STEPS

A. Applicant:

Applicants are responsible for answering the prior conduct questions on the application accurately without omission. The Admissions Office will identify those applicant files with prior conduct information that need to be reviewed by the Title IX Coordinator.

B. Title IX Coordinator (TIXC):

TIXC or their designee, will review the prior conduct information provided by the applicant and determine if an applicant may be cleared for admission. In making this determination, TIXC, or their designee, may request additional information and records from the applicant, consult with other appropriate individuals, offices and agencies including but not limited to, General Counsel, the Counseling Center, the Campus Police, other educational institutions, and other law enforcement agencies.

C. Outcomes:

The TIXC review may result in one of three outcomes:

1. TIXC clears the applicant for admission consideration and advises the Admissions Office in writing. The Admissions Office then further processes the application, determines academic eligibility for admission and notifies the applicant in writing of the admission decision.
2. TIXC clears the student for admission consideration with restrictions which may include, but are not limited to:
 - a) A probationary period for all or part of enrollment with or without stipulations.
 - b) Restriction on housing, activities or employment on campus.

3. TIXC does not clear the applicant for admission consideration and TIXC notifies the Admissions Office and the applicant in writing. Applicants can appeal the decision of TIXC not to clear the application for admission consideration. Appeals are to be written to the VPSA, or their designee, within ten (10) normal business days from the date of the letter they received from TIXC. The Admissions Office will make a formal admission decision at the conclusion of the prior conduct review or appeal.

D. Factors in Prior Conduct Consideration:

Issues that could prevent and/or affect admission to the College include, but are not limited to:

1. Prior conduct that includes selling/distribution or manufacturing of drugs; sex offenses; or acts of violence.
2. Incomplete, pending or ongoing criminal probation/parole or other court ordered or imposed restrictions.
3. Current or prior suspension from previous institutions and the suspension status (if complete, had the student been permitted to return to their institution).
4. Current or prior permanent dismissal or separation from any educational institution.

A previous conviction or previous disciplinary action for non-academic reasons at any high school, post-secondary institution, college, or university does not automatically bar admission to the College, but it does require review.

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

Declined Acceptance/Cancellation Policy

Accepted students who decline an offer of admission to Becker College are welcome to reapply. Applications will be reconsidered upon request for up to one year after the date of admission without an additional application fee. Deposited students who elect to cancel can request a tuition deposit refund, in writing, up to May 1st. Please allow 30 days for processing. The tuition deposit is non-refundable after May 1st. Housing deposits of \$100 are non-refundable upon submission.

Deferral Policy

Accepted students may request a deferral of their admission. Deferral requests will be reviewed on an individual basis. Students who have already submitted their deposit will not have their deferral request granted after May 1st. In this case, the deposit will be forfeited and the student will need to reapply for a future semester.

High School Students

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

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

Home-Schooled Applicants

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

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

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

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

International Baccalaureate

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

January Entrance

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

Non-Matriculating Student Status

Non-matriculating student status is granted to students wishing to take individual courses at the College without initially enrolling in a degree program. Non-matriculating student status includes visiting college students, people who are interested in taking college courses before officially applying, and high school students (Early College),

Individuals with a High School Diploma or GED

Students seeking non-matriculating student status who possess a high school diploma or GED must complete an application for non-matriculated students and send proof of graduation/GED or a college transcript to the Registrar's Office in order to be registered for a class. Non-matriculating students may take up to a maximum of six courses before they must officially enroll in a degree program at Becker College. Students are limited to two courses per Fall/Spring/Summer semester. Non-matriculating students may register for courses on a space available basis as long as course prerequisites have been met. Please note that some classes are restricted to majors only, i.e., Nursing, Veterinary Science, and Interactive Media Design. If a non-matriculating student decides to become a degree student, all materials submitted in the application for non-matriculating student status will be forwarded to the Admissions Office and an Admissions counselor will contact you if more information is needed.

Early College Students (Current High School Students)

Upon approval of the Registrar's Office rising 11th and 12th grade students from area high schools may be permitted to take courses on a space available basis under non-matriculating student status. Please note that some classes are restricted to majors only, i.e., Nursing, Veterinary Science, and Interactive Media Design. If you select to take an online course, you must participate in the online orientation. Early College students are exempt from the policy that limits non-matriculating students to a maximum of six courses before applying for admission to the College.

All Early College students must submit the following:

- a high school transcript
- minimum GPA of 2.7

Financial Aid is not available for high school students.

Dual Enrollment - Leicester High School and Worcester Public Schools

Becker College has specific agreements to allow current 11th or 12th grade high school students at Leicester High School and Worcester Public Schools to take courses at Becker College. Five students from each high school can take up to 4 credits per semester for free. Interested students should contact their guidance counselors in order to obtain specific instructions. Please note that some classes are restricted to majors only, i.e. Nursing, Veterinary Science and Interactive Media Design. If you select to take an online course, you will have to participate in an online orientation.

Application requirements include:

- a written recommendation from his/her high school guidance counselor or principal
- a high school transcript

- minimum GPA of 3.0

Part-time Admission

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

Post-Decision Review

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

Office of Administrative Services (Offices of Financial Aid, Student Accounts, Registrar)

Tuition, Fees, Room and Board Charges

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

Tuition, Fees, Room and Board Charges

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

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

Becker College Institutional Financial Aid

- The final all-inclusive aid package of a student is the amount of institutional funds on the student's account after the Add/Drop period of the Fall and Spring terms. If a student is selected for verification, all documents must be submitted and the student's aid application considered complete by the Office of Financial Aid before a final award is considered frozen for the current academic year even if the application is completed after the semester's Add/Drop Period. The student's residency status (such as on-campus or off-campus) may also impact the final award amount offered to the student.
- Students must maintain Satisfactory Academic Progress (SAP) during the maximum years of eligibility in order to continue receiving both merit and need-based aid. Students who do not meet the SAP standards will no longer be eligible for merit and need-based aid for the remainder of the maximum years of eligibility. However, students may appeal to the Office of Financial Aid to have this aid re-instated if there were extenuating circumstances which prevented the student from meeting the SAP standards.

UNDERGRADUATE PROGRAM EXPENSES

Financial Policies

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

Application Fee

Becker College does not charge an application fee.

Commitment Deposits/Housing Deposits

A deposit of \$300 is required for students enrolling at Becker College for the first time (new students, transfer students and non-degree-seeking students; this does NOT apply to undergraduate students enrolled in the School of Graduate and Professional Studies). This deposit is applied to the student's account after charges are applied for the term. *This may be refundable prior to May 1st with proper notice to the Office of Admissions. An additional deposit of \$100 (\$400 for returning students) is also required for students who plan to live on campus. This deposit is applied to the housing charge on the student's account. This deposit is NON-REFUNDABLE if the student should choose to live off-campus or commute after paying the deposit.

A comprehensive list of charges can be found online.

Annual Tuition, Room, Board, and Fees for – 2018 – 2019 New or Returning with start term 2015 Fall, 2016 Spring, 2016 Fall, 2017 Spring, 2017 Fall, 2018 Spring, or 2018 Fall.

Full-time Tuition.....	\$35,600
Orientation Fee (NEW Students only).....	\$275
Comprehensive Fee	\$1,600
Technology Fee	\$2,000
Standard Room.....	\$6,750
Standard 19-Meal Plan	\$7,050
Mandatory Health Insurance Fee.....	\$2,285
Part-Time Tuition (per credit).....	\$1,485
Standard Single Room Differential (\$200 per semester)	\$400

Additional Fees apply to nursing, equine and veterinary science programs.

Annual Tuition, Room, Board, and Fees for – 2018-2019 - Returning with start term 2015 Spring or earlier.

Full-time Tuition.....	\$31,320
Comprehensive Fee.....	\$1,600
Technology Fee	\$2,000
Standard Room.....	\$6,750
Standard 19-Meal Plan	\$7,050
Mandatory Health Insurance Fee.....	\$2,285
Part-Time Tuition (per credit)	\$1,305
Standard Single Room Differential (\$200 per semester)	\$400

Additional Fees apply to nursing, equine and veterinary science programs.

Tuition and Fees for Part-Time Students

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

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

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

Meal Plans and Charges

Every resident student is required to have a standard meal plan including Spruce Hall or Houghton Hall Residents.

Off-campus/commuter students are issued 25 meals per semester which must be used in the current semester. The meals don't roll over into the new semester. Meal plan services are not transferable between students. Upon financial clearance, each student will be provided with an identification card which doubles as their meal card. A comprehensive list of meal plans can be found online.

Health and Accident Insurance

It is Massachusetts mandate (<http://www.mass.gov> search QSHIP) that all registered students carrying at least 9 credits are automatically enrolled in a health insurance and accident plan at registration. The premium for coverage is added to the student's tuition and fees billing statement. The student may waive the health plan by going to www.universityhealthplans.com and completing the required online waiver information. The cost for the health insurance is \$2,285 for the 2018-2019 academic year.

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

Nursing Program

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

Uniforms.....\$200

Travel ExpensesVaries

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

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

Equestrian Program

Equestrian Facilities Fee (per semester)\$1,000

Veterinary Science Programs

Veterinary Science Program Fee (per semester).....\$270

Payment Policy

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

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

Credit card payments and Echeck payments are accepted online by logging onto myBecker.

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

Collections

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

Late Fee

Payments received after the due date designated on the invoice may be subject to a \$150 late fee. This late fee cannot be waived and is assessed each semester on any accounts that have a balance after the billing due date.

Returned Check Fee

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

Textbooks

Books and supplies may be purchased at the College bookstore on a cash or credit basis. Depending on the academic program chosen, the estimated cost for books and materials each semester is approximately \$500.

Personal Property

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

Automobile Policy

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

Withdrawal

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

The date of withdrawal is the date when the official notice is receipted and received by the Registrar's Office. Fee refunds for which the student is eligible will be determined by this date.

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

Fee Refunds

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

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

Refunds for room and board changes made throughout the semester will be made according to the following schedule:

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

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

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

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

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

Financial Aid

Application Process - How to Apply

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

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

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

Becker College's Required Title IV Code - 002123

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

Students are encouraged to investigate and apply for the scholarship program in their state as well as for those scholarships which may be available from community organizations, parents' employers, etc. In some cases, the deadline for state scholarships may be as early as February 15 for September entrance. Check with the high school's guidance office for applications and deadline information. The Internet can be a valuable resource for researching private scholarships. Please visit Becker College's website at for links to scholarship search agencies and organizations.

Types of Aid

Undergraduate Scholarships and Grants

For the most complete and up-to-date listing, please see the Becker College website.

Government Programs

Federal Pell Grants

Awards through this federal program are based on financial need, and enrollment status. The maximum Federal Pell Grant award is \$5,814 for the 2016-2017 academic year.

Federal Supplemental Educational Opportunity Grant (FSEOG)

Awards through this federal program are based on financial need, and enrollment status. The maximum Federal Supplemental Opportunity Grant award is \$850 for the 2016-2017 academic year.

MASSGrant

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

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

Gilbert Matching Scholarship Grants

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

MA Part-Time Grant Program

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

Foster Child Grant

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

Becker College Programs

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

Named Merit Scholarships

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

Becker College Grant

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

Becker Family Grant

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

Endowed Scholarships

Endowed Scholarships are awarded to students on the basis of merit, financial need and/or the restrictions set at the establishment of the fund. To see a complete listing of these awards, please visit the Becker website.

Army/Air Force ROTC

In cooperation with Worcester Polytechnic Institute (WPI), the Army Reserve Officer Training Corps (ROTC) Program is offered to qualified Becker College students. As a member of the Colleges of Worcester Consortium, Becker College students are eligible to apply for Army ROTC at WPI.

Yellow Ribbon GI Educational Enhancement Program (Yellow Ribbon Program)

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

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

Aid to be Earned as Wages

Federal Work-Study Program

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

Loans to be Repaid

Federal Direct Loan

The Federal Direct Loan is a loan and must be paid back. The Direct Loan interest rate is a fixed rate of 5.05% for undergraduate students and 6.06% for graduate students. There is a 6-month grace period before repayment begins once the student is no longer enrolled in college. Federal Direct Loan lenders may retain up to 5% in fees; therefore, the actual amount the student receives may be less than the amount borrowed. Direct Loans are electronically disbursed in equal disbursements to the student's account.

There are two types of Federal Direct Loans: The Subsidized and Unsubsidized Loans. Recipients of Federal Direct Loans must be enrolled in school at least half-time (6 credits for undergraduates, 4 credits for graduate).

- ***Federal Direct Subsidized Loan*** is a loan program through which the government pays the loan interest for the student while the student is in school.
- ***Federal Direct Unsubsidized Loan*** is a loan program through which the student pays the loan interest while the student is enrolled or the student can elect to have it capitalized once upon graduation.

Federal Origination Fees

Fees vary by loan type. The origination fees for 2018-2019 are:

1. Direct Student Loans:
 - 1.066 if loan is first disbursed between 10/1/17 and 9/30/18
 - 1.062 if loan is disbursed on or after 10/1/18
2. Direct Parent and Graduate PLUS Loans (PLUS hereafter):
 - 4.264 if loan is first disbursed between 10/1/17 and 9/30/18
 - 4.248 if loan is first disbursed on or after 10/1/18

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

Federal Parent Loans For Undergraduate Students (PLUS)

Parent Loans for Undergraduate Students (PLUS) enable parents of dependent undergraduates to borrow an amount equal to the cost of attendance, less other financial aid. The interest rate is fixed at 7.6% and parents can defer their loan payments while the beneficiary student remains in school at least half time up until six months after your dependent student graduates, leaves school, or drops below half-time.

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

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 and is available to undergraduate students only.

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 <http://www.elmselect.com>

Satisfactory Academic Progress (SAP)

Becker College, in accordance with federal regulations, requires all students who receive federal financial aid to maintain satisfactory academic progress. Becker College also uses this policy for institutional financial aid. Student academic progress is measured at the end of each enrolled semester, where financial aid is awarded, against the following standards:

- **Qualitative Measures:**

All degree-seeking, undergraduate students must meet the following minimum cumulative GPA requirements based on the number of attempted credits, either at Becker College or transferred in from another institution:

Attempted Credits	GPA
0-27	1.8
28+	2.0

- **Quantitative Progress:**

Students must successfully complete 67% of the credits attempted. The pace of progress is calculated by dividing the cumulative credits that have been successfully completed by the cumulative credits you have attempted. Transfer credits are calculated into the total credits attempted and earned.

- **Maximum time frame:** Students must complete their educational program of study within a time frame no longer than 150% of published length of the educational program, as measured by the credits attempted and including transfer credits.
 - *Full-time student: 12 credits per semester*
 - *Three-quarter-time student: 9 credits per semester*
 - *Half-time student: 6 credits per semester*

The following are considered when evaluating a student's SAP:

- **Drop vs. Withdrawal:** If a student drops courses before the end of the Add/Drop period, the courses will not be counted as attempted. Any courses withdrawn from after the Add/Drop period will be counted as attempted but not completed.
- **Incomplete grades:** A grade of incomplete will count as attempted credit hours but not completed credit hours. Once the course work is completed and a grade determined, the student must contact the Office of Financial Aid.
- **Repeated courses:** A student may repeat a course once in which a low grade was earned and still be eligible to receive financial aid.
- **Transfer credits:** All academic credits transferred and accepted at Becker College will be counted as both attempted and earned credits. These credits will also be counted in the maximum time frame calculation.
- **Pass/Fail credits:** The academic credit hours for any courses taken with a pass or fail grade will be counted toward the attempted and earned credits. These credits will also be counted in the maximum time frame calculation.

Warning Status

Students who initially fail any one of the standards of academic progress, excluding maximum time frame, can be placed on Financial Aid Warning for one semester or payment period. Students who are in a warning status remain eligible for financial aid and therefore do not need to appeal this status. Students will be required to improve academically and meet the minimum standards of this federal policy by the end of the warning period. Failure to meet the minimum requirements of this policy will result in suspension of aid eligibility.

Ineligible Status

Students who fail to meet SAP requirements after the warning semester, are no longer eligible to receive federal student aid. A student may appeal for reinstatement of federal student aid eligibility.

Notification

The Office of Financial Aid will send written notice to any financial aid recipient who does not meet minimum satisfactory progress standards that they will be terminated from aid for the subsequent term(s). The notice will be addressed to the student's most current local address on file with the Office of Financial Aid. It is the responsibility of the student to inform the Office of Financial Aid of the correct address at all times.

Appeals

The denial of financial aid because of failure to meet Satisfactory Academic Progress requirements may be appealed if the student believes there were special circumstances that should be considered. The following must be submitted along with the SAP Appeal Form at least one week prior to the first week of classes of the term:

- A letter, by the student, explaining what the extenuating circumstances are that prevented the student from maintaining SAP and what has changed that will allow the student to maintain the standards going forward. Reasons for appeal include the death of a relative, an injury or illness of the student, or other special circumstances. Documentation supporting the extenuating circumstances should be attached to the appeal form.
- The academic advisor or designee must work with the student to complete an academic plan that can be submitted with the appeal. The academic plan will provide guidance to the student on how to meet SAP within the next three consecutive terms.
- Students on an academic plan must meet the requirements for each term in order to remain eligible for financial aid, unless they meet the standards for Satisfactory Academic Progress in any of those terms.

Appeal Decisions

The SAP Appeal Committee will review all requests for financial aid reinstatement and send a letter to notify the student of the decision.

- **Approval:** Reinstatement of financial aid will be granted placing the student on probation for one semester. Further eligibility will be contingent upon the student meeting the conditions of the academic plan and SAP standards.
- **Denial:** Financial aid eligibility will not be reinstated and the student will be responsible for making alternative payment arrangements. If the student meets the SAP requirements in a future term, aid will be reinstated.

For the most recent information on Becker College's SAP policy, please refer to our website.

Student Affairs

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

International Students

Becker College welcomes international students from more than 20 countries 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. We understand that adjusting to a new culture can sometimes be a challenge, and as such, the international student advisor is always available to assist our international students with all academic, social and personal matters.

Athletics

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

The Hawks compete in the National Collegiate Athletic Association (NCAA, Division III), the New England Collegiate Conference (NECC), Commonwealth Coast Conference (CCC), the Colonial Hockey Conference (CHC), and the Intercollegiate Horse Show Association (IHSA). Becker takes pride in providing the opportunities for men and women to improve their abilities and to experience the satisfaction of personal growth.

The College sponsors 14 intercollegiate men's and women's teams. Students from either campus are eligible to compete. Students must maintain enrollment in 12 or more credit hours of college work as listed in the College catalog during each term of athletic participation. All student-athletes must also be making progress toward a bachelor's degree. Student-athletes must be academically and athletically eligible in order to participate.

Athletic teams for men:

Baseball – Rochdale Park, Leicester, MA
Basketball
Football
Ice Hockey – Worcester Ice Center
Lacrosse
Soccer

Athletic teams for women:

Basketball
 Equestrian – Wallace Farm, Paxton, MA
 Field Hockey
 Ice Hockey – Worcester Ice Center
 Lacrosse
 Soccer
 Softball – Russell Field, Leicester, MA
 Volleyball

Additional information and current athletic schedules are available at www.beckerhawks.com.

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

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

Campus Activities & Student Leadership

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

CASL is located on the second floor of the Fuller Campus Center on the Leicester campus, as well as the second floor of Linden Hall on the Worcester campus. This office is responsible for advising all student organizations (including the Campus Activities Board and the Student Governance Advisory Board), oversight of the Fuller Campus Center and its student employees, all student leadership programs, and large programs such as New Student Orientation, Family Weekend, Winter Carnival, HawkFest and Spring Ball.

Campus Activities Board (CAB)

Campus events and programs for Becker College students are planned by Becker College students. The Campus Activities Board (CAB) is a student organization that works in conjunction with the Office of Campus Activities and Student Leadership to plan activities and events for all students at Becker College. CAB provides student-led social, cultural, and educational events for Becker College students in line with the College's goals and mission. Any Becker College student can join CAB and participate in the planning process for events.

Student Governance Advisory Board

The Becker College Student Governance Advisory Board serves as the official voice of all Becker College students. The Student Governance Advisory Board protects and promotes the best interests and rights of the student body, and serves as the liaison between the students and the College administration. In addition, the Student Advisory Board works with student groups to enhance the overall student experience and promotes the name of the College through community activities. Board members are chosen each academic year through an application, interview and appointment process. Meetings are held on a weekly basis and open to all students.

Student Organizations and Clubs

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

Fitness and Wellness at Becker College

Becker College is committed to health of the whole person: physical, emotional, and spiritual. Classes and programs are offered every semester in areas that students request such as yoga, Zumba, dodge ball and more.

Counseling Services

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

- **Individual and Group Counseling:** Individual counseling is available to assist students in resolving personal problems and to help them to make the most of their college experience. Support groups and educational groups on a variety of topics are also offered throughout the year.
- **Consultation/Referral:** Students sometimes require medication or other services not available on campus. Counseling Services staff are available to make referrals to community resources.
- **Educational Programming:** Workshops and seminars are offered throughout the year to encourage learning outside the classroom. Offered in conjunction with other Student Affairs departments, topics may include stress management, depression screening, violence prevention and others.

Health and Wellness Services

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

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

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

For the health and safety of our entire college community, completed Student Health Records via the Health Portal are required before arrival to campus. Students who have not supplied the required medical information may be prohibited from participating in athletics, moving into campus housing, and may be subject to a \$250 late fee.

New and transfer students health record information is managed on-line through the Becker College Student Health Portal. You are required to enter your health information in the system and upload supportive documentation. To sign into the Health Portal please visit the Becker website.

For returning students, an immunization summary will be merged into the online record management system. Returning students must sign into the Health Portal to update health information. All other records, in paper form, are maintained in a secure/locked facility. Records are kept strictly confidential and are never part of a student's academic record or transcript. Records can only be released with a signed consent from the student. Students that have their information in the Health Portal system may print out desired information at any time.

Services are provided at no additional charge for active full-time Becker students regardless of individual insurance type. In order to receive safe and proper treatment, students must have a complete medical record on file and be compliant with state mandated requirements, which can be found on the Becker website

Students **MUST** maintain active health insurance status throughout the entire year. All students registered for 9 or more credits are automatically enrolled in the Becker-sponsored accident and sickness plan. If you have other coverage that is comparable or better than this plan you may waive the school plan. If you would like to use the insurance coverage, you may pre-enroll in the plan. Please visit www.universityhealthplans.com. If your insurance is cancelled or dropped for any reason, please immediately notify Student Health at 774-354-0471 or Student Accounts at 508-373-9434.

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

For more information, please visit our Student Health webpage on the Becker website.

Residence Life and Student Conduct

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

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

The department is staffed by the Assistant Dean-Director of Residence Life and Student Conduct who provides leadership to the department and coordinates the student conduct system, an Associate Director for Housing and Operations who oversees the day to day operations of the residence halls, and the Associate Director for Student Conduct and Educational Initiatives, who oversees the student conduct system. The staff supervise Resident Assistants, adjudicate allegations of student misconduct, and provide opportunities for community building in the residence halls. Also reporting to the Assistant Dean-Director of Residence Life and Student Conduct is the Transportation Manager and Coordinator for Building/Safety Contracts and the Coordinator of Conferences and Events.

Campus Police

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

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

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

Career Education (Center for Career Education & Advising)

Each student is assigned an Assistant Director based on their school of study. Each student's Assistant Director will serve as a career resource as well as their academic advisor, and are able to assist with career exploration, resume and cover letter writing, and with searching for internships/externships, full-time jobs and graduate schools. All students should meet with their Assistant Director during the first few weeks of classes, at other scheduled times during the semester, and throughout the academic year. Students will have numerous opportunities to participate in career learning experiences and interact with industry professionals and alumni. The Center for Career Education and Advising at Becker College encourages students to take advantage of as many opportunities as possible, in order for each student to achieve their personal academic and career goals.

Alumni Association

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

Academics

For the most up-to-date information regarding Becker College's Policies, please visit the Becker website.

Student Rights and Responsibilities

Statement on Student Rights

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

Freedom to Learn

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

Freedom of Association

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

Freedom of Inquiry and Expression

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

Student Access to Educational Records – Notification of Rights – FERPA

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

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

Release of Records Form

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

Disclosure of educational records without the written consent of the student is prohibited except in certain instances as permitted by the FERPA

(<http://www.ed.gov/policy/gen/guid/fpco/ferpa/students.html>).

Becker College will, with proper documentation and a written request, disclose student academic education records to the parents of a dependent student (Becker must have proof of dependency via signed IRS Tax forms on file, or parent/guardian will have to submit). For student financial education records, if proof is already on file, the Financial Aid and Student Accounts offices will speak to the parent named on the Free Application for Federal Student Aid (FAFSA) without a special written request. However, you may be asked to verify your identity.

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

Directory Information

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

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

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

Academic Information

Academic Credits

Federal Definition of a Credit Hour:

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

- (1) One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
- (2) At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

https://cihe.neasc.org/downloads/POLICIES/Pp111_PolicyOnCreditsAndDegrees.pdf

Learning Modalities

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

Online education is an educational process in which instruction occurs through the use of technology, and students and instructors are not in the same place. Instruction may be synchronous or asynchronous and may employ a variety of technologies, using text-based or multimedia content.

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

Academic Honesty

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

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

Some actions cannot be tolerated because they seriously interfere with the basic purpose and processes of an academic community, or with the rights accorded other members of the community. By formulating a general code of ethics, rights, and responsibilities, the College reaffirms the principle of student freedom coupled with personal responsibility and accountability for individual action and the consequences of such action. The Academic Honesty Policy and the Student Conduct Policy parallel each other in dealing with issues both inside and outside the classroom and associated activities.

Students are not only members of the academic community but also members of the larger society. Thus they retain the rights, protection, guarantees, and responsibilities that are held by all citizens. A student is not immune to prosecution by local, state, or federal enforcement agencies, whether or not the College takes action on the violation.

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

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

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

Other Student Conduct Issues

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

Applicability of Policy

The student rights and responsibilities apply principally to conduct that occurs on College premises or at College-related activities or facilities including class sessions and all other educational activities. College premises mean all land, buildings, facilities, and other property owned or leased by Becker College. Off-campus conduct may also subject a student to disciplinary or other appropriate administrative action as outlined in the student code of conduct in the *Student Handbook*.

Violations

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

Sanctions

Sanctions for violations of any of the standards will be reported to the Chief Academic Officer or designee and may include one or more of the following. Faculty may not withdraw a student from a course for an academic integrity violation. Faculty who feel that a student should receive a sanction more severe than a warning or zero on the assignment should discuss the issue with the Chief Academic Officer.

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

A faculty member may refer any case of academic dishonesty to the student conduct system for adjudication. A second violation in any one course during the same semester will result in an immediate referral to student conduct.

Academic Progress

The College's Satisfactory Academic Progress (SAP) policy is for both academics and financial aid.

Good academic standing means making steady progress towards degree completion and achieving at least a 2.0 each semester. A 2.0 cumulative and major GPA are required for graduation. If a student fails to achieve a satisfactory grade point average in any given semester the student's record will be reviewed by a committee consisting of academic administrators, student affairs administrators, academic advisors, and financial aid. This record review can result in one of three statuses being assigned: Academic Warning, Academic Probation, or Academic Dismissal. Students on any academic status may be restricted from leadership opportunities and athletics.

General guidelines for record review, keeping in mind extenuating factors may be considered, include:

- GPA of 1.6 – 1.9 may result in a status of Academic Warning
- GPA under 1.6 may result in a status of Academic Probation or Dismissal/Expulsion
- GPA below a 1.0 for any given semester will automatically be reviewed and may be subject to Academic Dismissal.

While on Academic Probation the student must work with his/her academic advisor and the Collaborative Learning Center to earn a 2.0 or higher and regain good standing. Students on Academic Probation may not register for more than 15 credits and are not permitted to withdraw from a course. Please note – Students on Academic Warning or Academic Probation can take summer mods 1 and 2 through Accelerated at Becker and will be reviewed prior to the start of the fall semester. Coursework from summer mod 3 will *not be* reviewed.

Students who are academically dismissed are ineligible for readmission for one full semester (fall or spring) and must reapply through Admissions. The reapplication packet must include a letter from the student explaining the circumstances of his/her departure from the college, his/her reasons for requesting to return, and how his/her circumstances have changed since the dismissal. In addition to the letter, students will further be required to submit an official transcript of academic work (transferable credits with grades of C or better) completed since leaving Becker, and letters of recommendation from professors, employers, and other relevant persons who support their return to the College. Other materials may be required in order to demonstrate that all issues leading to the student's academic dismissal have been addressed by the student during his/her time away. Students will be notified by Admissions if their application for readmission has been accepted or denied. If readmitted, students will be placed on Academic Probation and will be required to meet regularly with their academic advisor and be prepared to meet all requirements of their readmission.

Accommodations for Students with Disabilities

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

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

Appeal of Grades and Other Academic Grievances

If a student believes a grade received was not what it should have been due to error or deliberate action, the College has an appeal process under which the student appeal may be successively reviewed until a resolution is reached.

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

- a. faculty error
- b. grades have been assigned in a manner other than that stated on the course syllabus or other published course documents

- c. grades have been assigned in a manner inconsistent with how they were assigned to other students in that course

Note: Dissatisfaction with a grade is not a rationale for appeal.

Possible resolutions in the appeal process may include the following:

1. It is determined that indeed an error was made, the grade appeal is approved, and the Registrar corrects the grade.
2. The student receives an adequate explanation that there are no grounds for the grade to be changed and the student does not continue the appeal process.
3. The student grade appeal is successively denied by the Instructor, Chair/Director, Dean (if applicable), and is heard by the Student Affairs Committee, who make a recommendation to the Chief Academic Officer who determines the final decision.

Steps of the Grade Appeal Process:

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

1. The student must appeal the final grade **in writing** to the Instructor within ten (10) days of receiving the final grade. If the faculty member has not responded to the first level of appeal within ten (10) days, the student may proceed to level two (2).
2. If the matter is not resolved to the satisfaction of the student, the second level of appeal is for the student to submit the appeal to the department chair, program director, or designee.
3. If the matter is still not resolved to the satisfaction of the student, the third level of appeal is for the student to submit the appeal in writing to the Dean of the School in which the course involved is taught.
4. Grade Appeals which are not resolved to the student's satisfaction in steps 1-3 may then be heard by the Student Affairs Committee. To facilitate this process, communications to the Student Affairs Committee should be directed to the Executive Assistant for Academic Affairs at academics@becker.edu.

Students wishing to raise an academic dispute that is not grade-related may report their concern to the appropriate department chair, program director, or designee. If the matter is not resolved to the satisfaction of the student, the student may raise the concern to the Dean of the appropriate school. If the matter is still not resolved to the satisfaction of the student, the student may then raise the concern to the Chief Academic Officer who determines the final decision.

Attendance Policy

All students are expected to be regular in attendance at all classes. Absence from class for any reason does not relieve the student from responsibility of completing all assigned work and may adversely affect the grade when class participation is considered in marking. Repeated absence will not lead to an automatic withdrawal from the course or school (see Withdrawal policies).

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.

Auditing a Course

For students wishing to audit a course offered at the College, tuition will be charged at half the normal rate. Course audits are approved on a space-available basis (a student approved to audit a course may be bumped for a credit-seeking student). Becker students wishing to audit a course requires permission of their Academic Advisor and approval from their Dean; non-Becker students must receive permission from the appropriate Dean (forms are available in the Registrar's Office). Audited courses do not count toward degree requirements.

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

Mobile Devices in Classrooms and Academic Buildings

Students carrying mobile devices into classrooms and in academic buildings where classes are being held must place them on "silent" mode.

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

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

Course Withdrawals and Withdrawals from the College

Individual Course Withdrawals

If a student drops a course before the last day to add or drop a course (see the academic calendar), the course is not recorded on the student's record. A grade of W is given to a student who withdraws from a course after the last day to add or drop a course, but before the last day to withdraw without a grade which is after the 12th week of classes. Students who withdraw from a class after the last day to withdraw without a grade will receive a WF which is calculated in the GPA. Grades of W do not affect the GPA but DO affect the course completion percentage, which is calculated for purposes of financial aid eligibility.

In order for the Registrar's Office to process a course withdrawal, the student must submit a Course Withdrawal Form, which should be signed by the student and the student's advisor. If the student falls below 12 registered credits, additional signatures will be required.

Leave of Absence (non-medical)

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 should be initiated in the Registrar's Office. 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 consecutive semesters only. If the student does not return after two semesters, he/she will be considered withdrawn and must follow the "Returning to Becker following a Withdrawal" policy below.
- 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;
- For a leave of absence granted prior to the 12th week of a semester, no semester grades will be recorded on the student's transcript but will appear as withdrawn courses;
- For a leave of absence granted after the 12th week of a semester, the faculty may submit an Incomplete or calculate a grade at that time consistent with the College's grading policy. The Dean of the School may approve the extension time for an incomplete grade or the conversion of an incomplete to a regular grade;
- Individual programs may impose additional stipulations.
- Students seeking to return to the College following a leave of absence must contact the Registrar's Office to be reinstated.

Medical Leave of Absence (MLOA)

Some students may encounter medical (physical or psychological) conditions that significantly limit their ability to function successfully or safely in their role as students. In such cases, students may request a medical leave of absence (MLOA) to allow them to receive treatment in order to restore the abilities required to successfully complete their college career. Students may request a MLOA during the semester in progress should it be determined that they are not able to fulfill the academic requirements for classes and they have a documented medical condition which makes it difficult for the individual to successfully complete the semester.

The request for a MLOA must be made in writing from a student's Becker College e-mail account to the Executive Director of Student Support Services, who will then assist the student through the MLOA process. The student must submit the required medical documentation supporting the need for a leave to the Director of Health Services or the Director of Counseling Services. Requests will be evaluated by a team consisting of members from the Student Support Services/Disability Services, Health Services and Counseling Services. Please be aware that a Becker College Medical Leave of Absence is not the same as a Financial Aid Leave of Absence; students and families should consult with the Financial Aid and Student Accounts Departments before finalizing a Medical Leave of Absence. Once the leave request is approved, the team will inform the Registrar who will work with the student to process the MLOA. Medical leaves of absence can be granted for a maximum of two consecutive semesters.

Prior to their return to the College, students will be required to submit a reinstatement request to the Executive Director of Student Support Services and supply documentation from their healthcare provider to the Director of Health Services or Director of Counseling Services. The team will evaluate the reinstatement request and inform the student and the Registrar's office of the team's decision.

Withdrawals from the College

Students wishing to completely withdraw from Becker College should initiate the process by consulting the Registrar's Office. Complete withdrawals are appropriate for personal or financial hardships. Students must follow this procedure:

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

Students withdrawing from Becker College before the last day to receive a W grade will be given all W grades. A student withdrawing after the last day to receive a W grade will be given WF grades. Students wishing to finish the semester and then withdraw will earn the grades the professors enter. If a student does not follow this procedure, s/he will not be withdrawn from his/her courses. As a result, the student may receive failing grades in all courses and will not be eligible for fee refunds. This may jeopardize the student's ability to transfer to, or take courses at, other educational institutions. For individual course withdrawal, refer to the course changes section of the academic catalog.

Returning to Becker following a Withdrawal

A student who withdraws from Becker College and is in good standing (with all College offices) at the time of withdrawal, may request readmission through the Registrar's Office. If the student reapplies and was not in good standing at the time of their withdrawal, s/he will have to provide additional information.

If a student's enrollment lapses beyond two years, there is a possibility that the student's program may no longer be offered. In such a case, the student will need to choose a new program out of the current course catalog. Further, the student's prior coursework, including previously transferred credits, may be reevaluated and compared to current programs. Depending on the time away, a student may need to retake courses to fulfill degree requirements. Individual programs may impose additional restrictions on returning to that program following a withdrawal.

Science and Technology courses	good for up to 5 years
Courses in the Major	good for up to 10 years
General Education courses	no time limit

Course Changes

Changes in course registration may be made through the end of the add/drop period using myBecker, Student Planning or by filling out a course add/drop form from the Registrar's office.

Students who drop courses on or before the add/drop deadline will be removed from class rosters, and the course will not appear on their transcripts. If a student drops a course after the add/drop deadline, this will be treated as a withdrawal and a “W” will appear on the student’s transcript for that course. If the student remains in a class after the last day to take a W grade (see Academic Calendar) s/he will receive a WF grade.

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

Dean’s List

The Dean’s List is published each semester and includes all full-time students (12 minimum credits) whose term grade point average is a 3.50 or higher with no grade below a B- and no incomplete (I) or withdrawal/failing (WF) grades. GPA requirements for Dean’s List are not rounded.

National Honor Societies

Alpha Chi

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

Alpha Lambda Delta

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

Qualifications:

- Top 20% of the freshman class that has earned at least a 3.5 – 4.0 G.P.A. during their first semester at Becker College
- Earned a 3.5 - 4.0 G.P.A. during their first semester at Becker College
- Must not have been enrolled in any foundations courses during first semester
- Must have been a full-time student during first semester

Alpha Sigma Lambda

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

Qualifications:

- A GPA between 3.5 and 4.0
- Completed a minimum of 50 credits

- Be a matriculated student
- 50 credits must be earned at Becker College
- Must have been a student for a minimum of four terms on at least a part-time basis

Sigma Theta Tau International, Honor Society of Nursing Iota Phi-at-Large Chapter

Founded in 1922, STTI - with members in approximately 490 chapters throughout 85 countries supports the learning, knowledge, and professional development of nurses making a difference in global health.

Student Membership Criteria

Undergraduate Students must:

- Junior or senior students enrolled in baccalaureate program at an accredited institution of higher education.
- have completed 1/2 of the nursing curriculum.
- achieved academic excellence. (At schools where a 4.0 grade-point system is used, this equates to a 3.0 or higher.)
- rank in the upper 35th percentile of the graduating class.
- meet the expectation of academic integrity.

Graduate Students must:

- Master's students enrolled in graduate programs at an accredited institution of higher education.
- have completed 1/4 of the nursing curriculum.
- achieved academic excellence. (At schools where a 4.0 grade-point average system is used, this equates to a 3.0 or higher.)
- rank in the upper 35th percentile of the graduating class.
- meet the expectation of academic integrity.

Degree Completion

Full-time associate degree program students are required to complete the degree within a five-year period; full-time bachelor degree students are required to complete the degree within a ten-year period. Each period is determined from the date of matriculation. If any enrollment lapses beyond one year, students will need to be formally readmitted to Becker (see Withdrawing and Returning to Becker policy), and will need to meet the degree requirements of the catalog currently in force at the time of readmission.

A student who has completed a minimum of 90% of the credits required for a degree may contact the Registrar's Office to be allowed to complete the requirements of the earlier catalog even though the one year time limit has passed. Input of a faculty member from the discipline awarding the degree will be requested to answer such questions as currency of the information, licensure, and program accreditation issues, etc.

Full-Time/Part-Time Status

Full-Time Student Status

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

Full-time students in traditional undergraduate programs who have completed a minimum of 12 credits at Becker and whose GPA is 3.9 or above will be allowed to take one additional course (up to three credits) at no additional charge. This will apply only to the fall and spring semesters.

Part-time Student Status

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

General Education

Becker College believes that an educated person should possess an understanding of the humanities, social sciences, sciences and mathematics. Consequently, each academic program at the College contains courses in these primary domains of human knowledge. In addition to these areas of study, students complete interdisciplinary general education courses known as the CORE. The CORE curriculum provides students with a foundation in learning agility and value creation known as the Agile Mindset. An Agile Mindset is the ability to accurately assess one's own strengths and weaknesses, critical thinking, learning styles, personality type, communication styles, and preferences to plan for one's future and to effectively collaborate with others in a global society. It focuses on changing and adapting thinking and behavior in response to the need for life-long-learning in a fast-paced-technological and complex world.

While concepts of the Agile Mindset are covered throughout courses in all programs at the College, the CORE provides students with a strong foundation in the Agile Mindset along with fundamental skills in written, oral and visual communication, and career exploration, strategy, and planning to align and leverage skills from the professional majors to collectively create a transformational learning experience.

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

CORE Curriculum - 9 credits

CORE 1001 Managing Transitions: Change as a Norm or CORE1500 Managing Change and Navigating Unstructured Problems *

CORE ENGL The New Normal: Exploring Unstructured Problems**

CORE 3100 Developing an Entrepreneurial Mindset

Humanities and Fine Arts – 9 credits (including the following required course)

ENGL1003 Writing About Literature – 3 credits

Behavioral and Social Science – 6 credits

Scientific and Quantitative Reasoning – 7 credits (must include one of each of the following)

Natural or Physical Science with Lab

Math/Quantitative Reasoning

General Education elective – 9 credits from any of the above three categories

*Transfer students with 12 or more credits (not including “early college” courses) and undergraduate students in the School of Graduate and Professional Studies will take CORE 1500 in place of CORE 1001.

**Those students who are transferring in an English Composition course, including credit for AP Language and Composition, will have already satisfied the requirement for CORE-ENGL.

Requirements for the Associate's Degree

(These are minimum requirements; individual degree programs may have more extensive requirements in any area.)

CORE Curriculum - 6 credits

CORE1001 Managing Transitions: Change as a Norm or CORE1500 Managing Change and Navigating Unstructured Problems*

CORE-ENGL The New Normal: Exploring Unstructured Problems**

ENGL1003 Writing About Literature – 3 credits

Behavioral and Social Science – 3 credits

Natural or Physical Science– 3 credits

Math/Quantitative Reasoning – 3 credits

General Education elective – 3 credits

*Transfer students with 12 or more credits (not including “early college” courses) and undergraduate students in the School of Graduate and Professional Studies will take CORE 1500 in place of CORE 1001.

**Those students who are transferring in an English Composition course, including credit for AP Language and Composition, will have already satisfied the requirement for CORE-ENGL.

Graduation Requirements

A student must submit an Intent to Graduate form on MyBecker prior to the following deadlines. Students should not file their intent to graduate more than TWO semesters prior to their intended graduation date.

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

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

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

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

Academic Distinction

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

Associate Candidates:

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

Bachelor Candidates:

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

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

1. Completion of a minimum of 30 credits at Becker College in order to be awarded a bachelor's degree, exclusive of any credits awarded for Prior Learning, AP, CLEP, or other acceptable sources.

2. A minimum of 15 credits of 3000/4000 level courses required for the major, and 9 credits for any minor, must be completed at Becker College. Transfer credit policies for graduate programs are determined by individual programs.
3. The student must complete the course work required and the number of semester hours specified to be awarded his/her degree with a minimum cumulative grade point average of 2.00. The final CGPA is not rounded.
4. Foundations/Developmental/Preparatory courses will not transfer into Becker for credit toward graduation requirements (see course description for notation of Foundations/Developmental/Preparatory course type).
5. All financial obligations of the student must be successfully completed. Degrees will not be granted to any student having debts outstanding.

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

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

Students should apply for their degrees at the time they meet the requirements; a student applying for the associate's degree at the same time the bachelor's degree is awarded may only be recognized in the program for degrees and honors relevant to the period covered by that commencement. For example, an associate's degree for which the student met the requirements at the end of the spring 2015 semester will not be included in the 2017 commencement, regardless of whether the student chose to be recognized in 2015 or not. However, the degree may still be awarded.

Dual Degrees:

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

A student receiving more than one degree (i.e. both an associate's degree and a bachelor's degree) will only be recognized at commencement for the higher level degree. While both degrees will be printed in the program and honors for both (where applicable) will be recognized at the honors convocation, the student will "walk" with the group receiving the higher level degree and only those honors will be announced at commencement. The student who is receiving TWO degrees at the same level will have both degrees announced.

Minors, certificates and specializations will be noted on the transcript but not announced at commencement or noted in the commencement program.

Grading System

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

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

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

Incomplete Grades and Required Petition

In the case of extenuating circumstances, a student may request a final grade of Incomplete from their instructor. The request must be made in writing and must be approved by the instructor and the appropriate Dean. Students should not assume that they will be allowed to complete work after a term has ended unless the request for the *Incomplete* has been approved by both the instructor and the Dean.

Guidelines:

The following may constitute a rationale for a grade of Incomplete:

- The student has completed at least 75% of course work/assignments prior to meeting with the course faculty to request the *Incomplete*.
- The situation that has compelled the student to request the *Incomplete* from the course instructor must be extraordinary, such as illness, natural disaster, or some other emergent situation, beyond the student's control.

- The student must submit the outstanding course work to the instructor no later than 3-weeks following the next term start-date.

Incomplete Grade Process

1. If the course instructor supports the student's request to assign a grade of *Incomplete*, the instructor must complete the approved Becker College Incomplete Form, which will be forwarded to the Dean or Chair for formal approval and then automatically routed to the Registrar's Office for processing.
2. On the Incomplete Grade form the course instructor must indicate a deadline date (the "expiration date") no later than 3-weeks from the next following term start-date when the student can submit the outstanding course work.
3. Provided that the instructor receives the student's completed course work on or before the expiration date, the instructor submits the Becker College Grade Change form, which will be forwarded to the Registrar's Office authorizing the student's grade to be changed from "I" to the alpha grade earned.

If the student fails to submit the outstanding course work by the expiration date, the grade will automatically change from "I" to "F".

Experiential Learning Opportunities

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

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

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

See program and course descriptions for additional information on each of these experiential learning opportunities.

Repeated Courses

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

Higher Education Consortium of Central Massachusetts (HECCMA)

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

Transcripts

For current/recent students all transcript requests must be requested via MyBecker. Students without an account can complete the Transcript Request form via the Registrar's section of the Becker website.

All requests should include the following information:

- First and last name while attending and current last name (if applicable); any other names used.
- Student ID number or Social Security number
- Date of birth
- Current home address
- Current telephone number
- Campus location(s) attended
- Dates of attendance
- Number of copies requested (indicate whether Official or Unofficial transcript)
- Contact name and complete address(es) of where the transcript(s) is to be mailed
- **SIGNATURE** (request cannot be processed without your signature)

Requests made by mail must be sent to:

Becker College
61 Sever Street
Worcester, MA 01609
Attn: Registrar's Office

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

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

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

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

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

Courses from other than regionally accredited institutions may be evaluated for purposes of transfer. The American Council on Education's College Credit Recommendation Service (CREDIT) will be used as the basis for credit recommendations where such recommendations exist.

Credits awarded through the ACE formal credit recommendation process, College Level Examination Program (CLEP) and Advanced Placement (AP) count towards the maximum numbers of transfer credits described above. Courses taken as part of the Colleges of Worcester Consortium Cross-Registration program are considered Becker credits and do not count towards those limits.

Science and Technology courses	good for up to 5 years
Courses in the Major	good for up to 10 years
General Education courses	no time limit

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

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

Minors

A minor is a grouping of 6 or more courses, totaling 18 to 21 credits, of which a minimum of 9 credits have 3000+-level course designations. A minor may be similar to, and named for, an existing major such as criminal justice. Or, it may be a special, interdisciplinary grouping such as comparative psychology. The department(s) offering the minor determines which courses are required and any course options. Once a minor is established within a department or departments, it will be listed, along with the requirements of the minor, on the College's website. Students may also create their own minor working collaboratively with a faculty member. All student-created minors must be approved by the Dean of the School in which the student is enrolled.

Enrolling in a minor: Restrictions, Limitations, Eligibility requirements

Pursuing a minor should be discussed with the academic advisor. Students will complete a petition for minor form, requesting to formally pursue the minor, which can be obtained from the Registrar's Office. This petition must be signed by the academic advisor, the Chair of the Department(s) offering the minor, and the School Dean. The form will be filed in the Registrar's office and the minor will be entered on the transcript of academic studies by that office.

A student may not enroll in a minor which requires fewer than FOUR courses not already specifically required for the degree program pursued by the student.

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

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

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

Academic Services

Collaborative Learning Centers (CLC)

The Collaborative Learning Center, located on both campuses, is dedicated to helping all students in all programs achieve their academic goals. This “learn how to learn” environment engages in partnerships with faculty and academic services such as the Learning Commons and the Center for Career Education and Advising, creating a dynamic learning atmosphere that is conducive to active learning. Services include individual and group tutoring, study groups, workshops and Academic Consulting & Engagement Support services.

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

The CLC also offers an Academic Consulting & Engagement Supports (ACES) program for which a fee will be assessed. The ACES program consists of assistance with organization, time management, study skills, etc. This service is provided for the full semester, and the student meets with the assigned coach either twice per week for one half-hour, or once a week for 1 hour. Students may access this service more than one semester; however, the fee is applied each term the ACES program is renewed.

The Worcester CLC is located at Linden Hall, 64 William Street, telephone 508-373-9704. The Leicester CLC is located at Swan Learning Commons, telephone 774-354-0654.

Students with Disabilities

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

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

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

Grievance Procedure

Any person who believes she or he has been subjected to discrimination on the basis of disability may file a grievance under this procedure. It is against the law for Becker College to retaliate against anyone who files a grievance or cooperates in the investigation of a grievance.

Informal Grievance Procedure

With respect to any grievance covered under this policy and as a prerequisite to initiating one of the formal grievance procedures, a student shall first attempt to resolve his or her complaint informally by meeting with the Executive Director of Student Support Services or with her designee. If the grievance is not resolved informally, then the student shall have the right to invoke the appropriate formal grievance procedure.

Formal Grievance Procedure for the Denial of Academic Accommodations and Services

1. A student with a disability, as defined by the ADA and the Rehabilitation Act, shall have the right to request that the Title IX Coordinator review the denial of any requested academic accommodation or service.
2. The Title IX Coordinator or designee shall assess the formal complaint and review all information necessary to render a written determination. If requested, the student shall supply any additional information and/or documentation as requested by the Title IX Coordinator or designee. The Title IX Coordinator or designee will issue a written Letter of Determination within thirty (30) days.
3. If the student disagrees with the determination, the student may seek a review with the Chief Academic Officer or designee. The student shall submit a written letter within ten (10) days of receipt of determination, requesting a review of the complaint.
4. The Chief Academic Officer or designee shall review the student's letter, all pertinent records, and documentation. After completing the review, the Chief Academic Officer or designee will provide a letter of determination to the student within ten (10) days. The decision of the Chief Academic Officer or designee is final.

Office of Civil Rights (OCR) Complaint

Although students are encouraged to attempt to resolve complaints pertaining to disabilities by using this Grievance Procedure, they have the right to file a complaint directly with the U.S. Department of Education, Office for Civil Rights (OCR).

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. Printing in labs is managed via PaperCut.

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

Faculty

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

Some of these initiatives include:

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

Libraries (Becker Learning Commons)

The Learning Commons at Becker College provide support for student research and study. Our website is available any time of day and night. Current library holdings include more than 15,000 books & media, over 73,000 electronic resources, 26,600 print and online journals, and newspapers.

Descriptions of print materials held at the Learning Commons at Becker College can be found in the library section of the Becker Website. In addition to print holdings, the library subscribes to over 55 online databases (both subject specific and general). The library catalog, online databases and online journal content are available to students both on-campus and remotely via the library website. Students can access a library chat window to answer any library-related questions and help with research any time of day or night simply by searching the sight and posing the question in the chat box.

A current Becker student ID serves as a library card. All circulating books checked out for three weeks; may be renewed for an additional three weeks. Materials renewed can be recalled if needed by another library user. Overdue notices are sent out via campus email. Replacement costs are assessed for unreturned items.

A reserve collection for coursework is maintained in both libraries. Reference books, periodicals/newspapers, and reserve materials are for in-library use.

Students may check out laptops, headphones and iPads to use at each campus library.

Libraries (Learning Commons) Campus Collections

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

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

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

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

Library Services

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

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

In addition to these listed, the library is a member of the Academic & Research Collaborative (ARC) providing Becker students services with borrowing privileges at area colleges. A list of the participating institutions are found on all the area college websites.

Library staff may be contacted by e-mail at library@becker.edu or by phone at 508-373-9710 (Ruska Learning Commons, Worcester Campus) or 774-354-0655 (Swan Learning Commons, Leicester Campus) and via the 24 hour chat box on our website. For current hours and additional information about us, please visit Learning Commons on the Becker website.

Academic Programs

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

- School of Animal Studies and Natural Sciences
- School of Design and Technology
- School of Humanities and Social Sciences
- School of Nursing and Health Sciences
- School of Graduate and Professional Studies

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

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

Traditional Undergraduate Studies

Becker College's academic structure for traditional undergraduate studies consists of four Schools. The School of Animal Studies and Natural Sciences includes the Veterinary Sciences and Biology departments. The School of Design and Technology includes the Business, Computer Science, Graphic Design, Interactive Media and Mathematics departments. The School of Nursing and Health Sciences includes the Nursing and Exercise Science departments. The School of Humanities and Social Sciences includes the Humanities, Psychology, Education, and Criminal Justice and Legal Studies departments.

School of Animal Studies and Natural Sciences

Bachelor of Science in Biology

Biologists study living organisms and their relationship to the environment. Careers in biology are diverse and include human and animal medicine, research, conservation, teaching, journalism, and more. The Biology program at Becker College provides students with a wide range of immersion in all aspects of human and animal biology, as well as special topics addressing emerging issues in the field. Students who are majoring in biology will study the fundamental principles of biology, anatomy and physiology, microbiology, cell biology, biostatistics, developmental biology, genetics, and more. Students complete internships off campus and design and conduct individual research projects, preparing them for careers in which they can apply their knowledge, or to apply to graduate school for further study.

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
CORE1001 Managing Transitions: Change as a Norm	3	CORE-ENGL The New Normal: Exploring Unstructured Problems	3
BIOL1001 Biology I	4	BIOL1002 Biology II	4
CHEM1001 Chemistry I	4	CHEM1002 Chemistry II	4
MATH1200 College Algebra OR	3	PSYC1001 Introduction to Psychology	3
MATH2001 Pre-calculus and Functions			
	14		14

Sophomore Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
BIOL3500 Genetics	3	Science Elective (3000+)	3
CHEM2100 Organic Chemistry I	4	Science Elective with Lab	4
MATH2001 Pre-calculus and Functions OR	3	CORE3100 Developing an Entrepreneurial Mindset	3
MATH2202 Calculus I			
ENGL1003 Writing about Literature	3	BIOL3200 Biostatistics	3
Open Elective	3	Humanities/Fine Arts Elective	3
	16		16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PHYS2001	Physics I	4	BIOL3001	Cell Biology	3
	Science Elective with Lab	4	BIOL4001	Research Methods in Science	3
BIOL3003	Biological Chemistry OR	3		Science Elective (3000+)	3
CHEM3003	Biochemistry			Humanities/Fine Arts	3
				Elective	
	Behavior and Social Science	3		Open Elective	3
	Elective				
		14			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PHIL3001	Ethics	3	BIOL4902	Internship II OR	3
BIOL4901	Internship	3		Science Elective (3000+)	
BIOL4500	Biology Seminar	3		Science Elective (2000+) with	4
				Lab	
	Open Elective	3		Open Elective	3
	Science Elective (2000+) with	4		Open Elective	3
	Lab				
				Open Elective	3
		16			16
				Total Credits:	121

Students may choose to take any four (4) approved program electives in order to complete the degree. A listing of approved program electives can be found on the Becker website.

Bachelor of Science in Equine Studies

The Equine Studies program offers students the opportunity to increase their knowledge of horses and prepare individuals to assume roles in businesses relating to horses. The horse industry is highly diverse and offers a variety of employment opportunities. The format of this degree program allows for a strong equine science background mixed with business courses that will prepare students to succeed in many aspects of the equine industry, from owning a stable to managing a reproduction facility. Students in the Equine Studies bachelor's program learn through a combination of lecture-based courses and hands-on training. They spend extensive time working directly with horses to gain practical experience. Internships at locations such as farms and horse-training facilities is also a component of this degree program. This degree will also provide a foundation for students seeking a graduate degree in areas such as Equine Nutrition, Equine Reproduction, or Equine Sports Medicine.

Entrance Requirements: See Becker College admissions information. A tetanus toxoid booster is required within the ten years preceding entrance. It is the student's responsibility to keep this vaccine current. A prophylactic rabies vaccine is recommended, but should the student choose not to get the vaccine then a waiver must be signed before the student is allowed to participate in any courses involving direct contact with animals or the equine facility. Students must be able to lift a minimum of 50 lbs. without assistance and work around 1000 lb. animals in small quarters, as well as haul feed and bedding. Therefore, students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. A student must be able to gauge an animal's body language and hear the animal coming up behind them. Students are advised to discuss their plans for entrance into this major with their family physician if they have severe allergies to hay, straw, shavings and/or other limitations of concern.

A precautionary note: Since horses can be unpredictable in their behavior, a degree of risk is inherent to working with these animals. A waiver of liability is required to be signed at the time the student enters the program. Students may need to consider the cost of sturdy work shoes or boots that can be easily cleaned, and coveralls when working in the facility. Students involved with any of the equitation or riding classes will need to supply their own helmets and riding boots (specifications to be discussed by course instructors). Students should keep in mind that transportation provided by the College to the riding facility may not always be available when needed.

Horses used in class: Any student entering the program with a physical requirement for a certain type or size of horse will be accommodated as much as possible. However, if the school is unable to find the appropriate horse to meet a student's physical needs, the student may not be able to complete certain courses.

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

Freshman Year

<i>Fall Semester</i>			<i>Credits</i>	<i>Spring Semester</i>			<i>Credits</i>
CORE1001	Managing Transitions: Change as a Norm		3	CORE- ENGL	The New Normal: Exploring Unstructured Problems		3
BIOL1001	Biology I		4	PSYC1001	Introduction to Psychology		3
MATH1200	College Algebra		3	MGMT1000	Introduction to Business Models		3
EQST1601	Foundation in Equine Care		3	MATH2101	Applied Business Statistics OR		3
	Equine Elective (EQST1001 Recommended)		3	MATH2200	Statistics		
				ANSC2701	Equine Anatomy and Physiology		3
			16				15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
EQST2801	Fundamentals of Farm and Stable Management	3	CORE3100	Developing an Entrepreneurial Mindset	3
MKTG2004	Marketing I – Creating Marketing, Branding and Sales Strategies	3	MGMT3400	Human Resource Management OR Business Elective (3000+)	3
ENGL1003	Writing about Literature	3	ANSC2403	Equine Nutrition	3
MGMT2500	Small Business Management OR Business Elective (2000+)	3	EQST2200	Equine Industry and the Law	3
ECON1200	Global Economics: Micro and Macro Perspectives	3		Open Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
ACCT2100	Accounting and Finance I - Concepts and Tools	3	ACCT3100	Accounting and Finance II Financial Decision Making	3
EQST3701	Equine Biomechanics and Conformation	3	MGMT4003	Developing Business Leadership OR Business Elective (4000+)	3
MKTG3300	Customer Engagement OR Business Elective (3000+)	3	EQST3100	Equine Behavior	3
	Humanities/Fine Arts Elective	3		Open Elective	3
	Equine Elective (EQST3104 Recommended)	3		Open Elective	3
		15			15

Students encouraged to complete 200 hours of externship experience during summer months.

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
ANSC3100	Animals in Society	3	ANSC3503	Equine Reproduction and Breeding Management	3
EQST4201	Equine Pathology and Diseases	3		Equine Elective (EQST4500 Recommended)	3
	Open Elective	3		Humanities/Fine Arts Elective	3
EQST4906	Externship Module Ia	3		Open Elective	3
	Open Elective	3		Open Elective	3
		15			15
				Total Credits:	121

Students may choose to take any three (3) approved Equine electives in order to complete the degree. A listing of approved program electives can be found at on the Becker website.

Bachelor of Science in Veterinary Science

Veterinary Technology Concentration

Becker's AVMA-accredited Veterinary Technology program provides students with a broad view of veterinary medicine and offers the flexibility to enter the workforce in a variety of different animal related careers. The first two years allow students to complete an Associate of Science degree in Veterinary Technology and then, during the junior and senior year complete the Bachelor of Science program where emphasis is placed on building a solid base of knowledge and advanced nursing skills related to nutrition, animal husbandry, zoonotic diseases, and preventive medicine in companion and non-companion animals.

Experienced faculty are engaged with students as active partners in the learning process through science-based course work in the classroom, as well as hands-on practical experiences which include the on-campus Lenfest Animal Health Center; field trips to shelters, large animal facilities, and laboratories; and experiential learning opportunities in an approved research facility, private veterinary practice or veterinary teaching facility.

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

For further information about our facility, faculty and curriculum, go to the School of Animal Studies and Natural Sciences department webpage.

Requirements:

All full and part-time students are required to demonstrate proof of medical insurance, a tetanus booster within the last ten (10) years, and a tuberculosis test within one (1) year to participate in animal laboratories, veterinary clinic rotations and career externships. Rabies pre-exposure prophylaxis immunization is highly recommended. Students are required to either show proof of rabies immunization or sign a declination form. Students who decline rabies vaccination may be prohibited from certain activities at the discretion of the supervising veterinarian. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

Students must achieve a 'C' or better in all courses designated to meet the AVMA accredited Veterinary Technology program requirements. Only two (2) attempts are allowed for any one (1) of these designated courses and the student is not allowed to retake more than two (2) total courses. Not achieving the passing minimum grade of 'C' or receiving a grade of 'W' will be recorded as an attempt for the course. (Students with documented medical reasons or other extenuating circumstances may be reviewed on a case-by-case basis. Failure to meet this standard will result in dismissal from the program. Students may petition for reentry into the program after one semester of coursework approved by the Dean of the School of Animal Studies and Natural Sciences. Only one (1) reentry into the program after dismissal is permitted and any failure to meet the standard in a designated course, whether taken for the first time or repeated, will result in a second dismissal from the program without possibility of reinstatement. Courses meeting AVMA accreditation requirements are designated by an (*).

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

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
VTSC1101 Clinical Veterinary Experience I*	4	VTSC1102 Clinical Veterinary Experience II*	4
BIOL1005 Anatomy and Physiology of Domestic Animals I*	4	BIOL1006 Anatomy and Physiology of Domestic Animals II*	4
CHEM1001 Chemistry I*	4	VTSC1200 Veterinary Pharmacology*	2
MATH1200 College Algebra*	3	CHEM1002 Chemistry II*	4
CORE1001 Managing Transitions: Change as a Norm	3	CORE-ENGL The New Normal: Exploring Unstructured Problems	3
	18		17

Sophomore Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
VTSC2500 Veterinary Anesthesia and Surgery*	4	VTSC2000 Laboratory Animal Science*	2
VTSC2102 Clinical Pathology*	3	VTSC2001 Veterinary Radiology*	2
VTSC2900 **Externship Module I*	2	VTSC2101 Veterinary Hematology*	3
VTSC2902 Practical Experience I*	1	VTSC2201 Farm Animal Skills*	2
ENGL1003 Writing about Literature	3	VTSC2904 Practical Experience II*	1
		PSYC1001 Introduction to Psychology	3
		CORE3100 Developing an Entrepreneurial Mindset	3
	13		16

Junior Year

Fall Semester			Spring Semester		
		Credits			Credits
BIOL3003	Biological Chemistry	3	VTSC3200	Clinical Animal Behavior	3
ANSC3100	Animals in Society OR	3		Open Elective	3
ANSC3301	The Human and Animal Bond			Humanities/Fine Arts Elective	3
BIOL2502	Microbiology	4		Veterinary Science Elective (2000+)	3
VTSC3401	Pathophysiology of Disease	3			
	Humanities and Fine Arts Elective	3			
		16			12

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
BIOL3500	Genetics	3	VTSC4901	Externship Module IIIa	3
VTSC3600	Clinical Veterinary Nutrition	3	VTSC4902	Externship Module IIIb OR	3
	Open Elective	3	VTSC4903	Externship Module IIIc OR	3
	Open Elective	3	VTSC4500	Senior Seminar*	3
	Veterinary Science Elective (3000+)	3		Veterinary Science Elective (3000+)	3
		15			15
				Total Credits:	122

** The hours for this externship are completed in the summer between the first and second years.

Students may choose to take any three (3) approved Veterinary Science program electives in order to complete the degree. No more than one elective at the 2000 level, all other electives must be 3000 level or higher. A listing of approved Veterinary Science program electives can be found on the Becker website.

Pre-Veterinary Concentration

Do you dream of being a veterinarian someday? The veterinary profession is an exciting and growing field with opportunities in clinical practice, biomedical research, education, public service, food safety, government, and many other areas. Approximately 50 veterinary schools world-wide offer the four-year graduate degree required to become a Doctor of Veterinary Medicine (DVM). Applying to DVM programs can be overwhelming because every veterinary school has different requirements (<http://www.aavmc.org/data/images/prereqchart.pdf>) and admission is highly competitive. The pre-veterinary program at Becker College has an academically rigorous science-based curriculum designed to meet the requirements for admission to most of these veterinary schools. The Lenfest Animal Health Center at Becker College provides opportunities for gaining veterinary experience from the first day you set foot on campus. Our advising team and seven full time veterinarians are here to guide you as you prepare your portfolio of experiences and coursework that will help you explore the veterinary profession, prepare a competitive application, and to succeed at veterinary school.

For more information about the veterinary profession and applying to veterinary school, visit the AVMA website and the AAVMC website.

In addition to veterinary school, pre-veterinary students may consider an array of graduate studies in the health and life science professions or may pursue employment in a biomedical research entry-level position directly after graduation. For students who wish to pursue both certification as a veterinary technician and complete the minimum prerequisite coursework to apply to most veterinary schools, please speak with the Chair of the Pre-veterinary Program about the option to add a Minor in Pre-veterinary Studies to the Veterinary Technology concentration. Students are encouraged to join the Pre-veterinary Club and take advantage of the opportunities to network with other students, professionals, and guest speakers.

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

For further information about our facility, faculty and curriculum, go to the School of Animal Studies and Natural Sciences department webpage.

Requirements:

All full and part-time students are required to demonstrate proof of medical insurance, a tetanus booster within the last ten (10) years, and a tuberculosis test within one (1) year to participate in animal laboratories, veterinary clinic rotations and career externships. Rabies pre-exposure prophylaxis immunization is highly recommended. Students are required to either show proof of rabies immunization or sign a declination form. Students who decline rabies vaccination may be prohibited from certain activities at the discretion of the supervising veterinarian. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

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

Pre-Veterinary Concentration

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
BIOL1001 Biology I	4	BIOL1002 Biology II	4
CHEM1001 Chemistry I	4	CHEM1002 Chemistry II	4
CORE1001 Managing Transitions: Change as a Norm	3	CORE- ENGL The New Normal: Exploring Unstructured Problems	3
MATH1200 College Algebra	3	MATH2200 Statistics Humanities/Fine Arts Elective	3 3 3
	14		17

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
BIOL1005	Anatomy and Physiology of Domestic Animals I OR	4	BIOL1006	Anatomy and Physiology of Domestic Animals II OR	4
BIOL2503	Anatomy and Physiology I		BIOL2504	Anatomy and Physiology II	
CHEM2100	Organic Chemistry I	4	CHEM2101	Organic Chemistry II	4
ENGL1003	Writing about Literature	3	CORE3100	Developing an Entrepreneurial Mindset	3
PSYC1001	Introduction to Psychology	3		Humanities/Fine Arts Elective	3
		14			14

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PHYS2001	Physics	4	BIOL2502	Microbiology	4
CHEM3003	Biochemistry	3	PHYS2002	Physics II	4
BIOL3500	Genetics	3	BIOL3001	Cell Biology	3
ANSC3100	Animals in Society OR	3		Veterinary Science Elective (3000+)	3
ANSC3301	The Human and Animal Bond			Open Elective	3
	Veterinary Science Elective (2000+)	3			
		16			17

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
VTSC3401	Pathophysiology of Disease	3	VTSC4500	Senior Seminar	3
VTSC3600	Clinical Veterinary Nutrition	3	VTSC3400	Immunology	3
VTSC4905	PVET Externship I	3		Veterinary Science Elective (3000+)	3
VTSC4906	PVET Externship II	3		Veterinary Science Elective (3000+)	3
	Open Elective	3		Open Elective	3
		15			15
				Total Credits:	122

Students may choose to take any four (4) approved Veterinary Science program electives in order to complete the degree. No more than one (1) elective at the 2000 level; all other electives must be 3000 level or higher. A listing of approved program electives can be found on the Becker website.

Laboratory Animal Science Concentration

If your passion for animals extends to creatures both great and small, you may have a future in the rapidly expanding field as a Laboratory Animal Technician. The Veterinary Science program, with a concentration in Laboratory Animal Science, prepares students to provide essential daily care to animals used in biomedical and life science research, to support and work effectively with veterinary and research staff, and to be well-versed in ethics, guidelines and regulations of the field. Students will study the fundamental principles of biology, anatomy and physiology, animal health skills, laboratory animal technical methods, biostatistics, genetics, and much more.

For further information about our facility, faculty and curriculum, go to the School of Animal Studies and Natural Sciences web page.

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 who decline rabies vaccination may be prohibited from certain activities at the discretion of the supervising veterinarian. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

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

Laboratory Animal Science

Freshman Year

<i>Fall Semester</i>			<i>Credits Spring Semester</i>			<i>Credits</i>
BIOL1001	Biology I	4	BIOL1002	Biology II		4
CHEM1001	Chemistry I	4	CHEM1002	Chemistry II		4
	Humanities/Fine Arts	3	CORE-	The New Normal:		3
	Elective		ENGL	Exploring Unstructured		
				Problems		
CORE1001	Managing Transitions:	3	MATH1200	College Algebra (or		3
	Change as a Norm			higher)		
ANSC1003	Animal Care Management	3	ANSC1010	Animal Health Skills		3
		17				17

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CHEM2100	Organic Chemistry I	4		Program Elective	3
BIOL1005	Anatomy and Physiology of Domestic Animals I	4	BIOL1006	Anatomy and Physiology of Domestic Animals II	4
ENGL1003	Writing About Literature	3		Humanities/Fine Arts Elective	3
VTSC2005	Introduction to Laboratory Animal Health	1	PSYC1001	Introduction to Psychology	3
VTSC2000	Laboratory Animal Science	2	CORE3100	Developing an Entrepreneurial Mindset	3
		14			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
BIOL3003	Biological Chemistry	3	BIOL2502	Microbiology	4
BIOL3500	Genetics	3	VTSC3100	Laboratory Animal Management	3
ANSC3401	Laboratory Animal Technical Methods I	4	ANSC3402	Laboratory Animal Technical Methods II	4
ANSC2901	Externship Module Ia	3	BIOL3200	Biostatistics	3
ANSC3100	Animals in Society OR	3		Open Elective	3
ANSC3301	The Human and Animal Bond				
		16			17

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
VTSC3600	Clinical Veterinary Nutrition	3	ANSC4900	Externship Module IIa	3
ANSC4700	The World of Research	3	ANSC4901	Externship Module IIb	3
VTSC4102	Laboratory Animal Diseases	3	ANSC4902	Externship Module IIc	3
	Open Elective	3		Open Elective	3
		12			12
				Total Credits:	121

Associate Degree Programs

Associate of Science in Animal Care

The field of Animal Care allows students with a deep-rooted love of animals of many species to explore a variety of topics and career paths. The ever-evolving role of animals, and their caregivers, in modern society is creating job opportunities and career paths unheard of just a few short years ago. Graduates from the Associates in Animal Care Program will possess and be able to apply knowledge in the areas of animal husbandry, behavior, health & disease, breeding, facilities management and grooming. Employment opportunities upon graduation include the areas of animal control / shelter/ rescue, behavior & training, biomedical research, animal boarding / daycare, business ownership / entrepreneurship, veterinary assistance and more.

For further information about our facility, faculty and curriculum, go to the School of Animal Studies and Natural Sciences web page.

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

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
CORE1001 Managing Transitions: Change as a Norm	3	ANSC1010 Animal Health Skills	3
ANSC1003 Animal Care Management	3	ANSC1400 Introduction to Animal Science	3
ANSC1005 Animal Facilities Design and Management	3	BIOL1002 Biology II	4
BIOL1001 Biology I	4	PSYC1001 Introduction to Psychology	3
ANSC1000 Career Exploration	1	Math Elective	3
	14		16

Sophomore Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
ANSC2000 Introduction to Laboratory Animal Science	2	Open Elective	3
Animal Care Elective	3	ANSC2200 Canine Behavior and Training	2
ANSC2401 Animal Nutrition	3	ANSC2202 Domestic Animal Behavior	3
ANSC2900 Externship Module I	3	Animal Care Elective	3
Open Elective	3	ENGL 1003 Writing About Literature	3
CORE- The New Normal: Exploring	3		
ENGL Unstructured Problems			
	17		14
		Total Credits:	61

Special Requirements:

All full and part-time students are required to demonstrate proof of medical insurance, a tetanus booster within the last ten (10) years, and a tuberculosis test within one (1) year to participate in animal laboratories, husbandry rotations and career externship. Rabies pre-exposure prophylaxis immunization is highly recommended. Students are required to either show proof of rabies immunization or sign a declination form. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

Associate of Science in Veterinary Technology

A Veterinary Technician is a graduate of an AVMA accredited program in Veterinary Technology who has knowledge of applied science and specialized training in animal health, care and management. Graduates of the program are qualified to perform a wide range of technical medical skills and may be employed in veterinary practices, research and academic institutions, biological laboratories, pharmaceutical companies, public health organizations and zoos. The demand for veterinary technicians continues to exceed the supply of graduates.

An integral part of the program is the Lenfest Animal Health Center. This on-campus veterinary clinic treats hundreds of patients annually and allows students to gain valuable hands-on clinical experience as part of the curriculum. In addition to the veterinary clinic on campus, field trips to shelters and large animal facilities add to the clinical experience of the students. These out-reach programs give the students experiences with a wide range of animal species. Additionally, supplementing the didactic course work is an externship in which the student receives hands-on training in an approved research facility, private veterinary practice or veterinary teaching facility.

The curriculum is fully accredited by the American Veterinary Medical Association's Committee on Veterinary Technician Education and Activities (AVMA CVTEA) .

For further information about our facility, faculty and curriculum, go to the School of Animal Studies and Natural Sciences page.

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 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 who decline rabies vaccination may be prohibited from certain activities at the discretion of the supervising veterinarian. Students must be able to lift 50 pounds and be able to demonstrate the physical capabilities to work closely and safely with animals of all sizes. Students with limitations to movement, sight or hearing may find it difficult to meet all course requirements. For the health and safety of students appropriate attire will be addressed in all classes with laboratories.

Please refer to the specific admission requirements for all Veterinary Science programs in the Admissions section of the academic catalog, under the Veterinary Applicants section.

Students must achieve a 'C' or better in all courses designated to meet the AVMA accredited Veterinary Technology program requirements. Only two (2) attempts are allowed for any one of these designated courses and the student is not allowed to retake more than two (2) total courses. Not achieving the passing minimum grade of 'C' or receiving a grade of 'W' will be recorded as an attempt for the course. Students with documented medical reasons or other extenuating circumstances may be reviewed on a case-by-case basis. Failure to meet this standard will result in dismissal from the program. Students may petition for reentry into the program after one semester of coursework approved by the Dean of the School of Animal Studies and Natural Sciences. Only one (1) reentry into the program after dismissal is permitted and any failure to meet the standard in a designated course, whether taken for the first time or repeated, will result in a second dismissal from the program without possibility of reinstatement. Courses meeting AVMA accreditation requirements are designated by an (*).

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

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
VTSC1101 Clinical Veterinary Experience I*	4	VTSC1102 Clinical Veterinary Experience II*	4
BIOL1005 Anatomy and Physiology of Domestic Animals I*	4	BIOL1006 Anatomy and Physiology of Domestic Animals II*	4
CHEM1001 Chemistry I*	4	VTSC1200 Veterinary Pharmacology*	2
CORE1001 Managing Transitions: Change as a Norm	3	CHEM1002 Chemistry II*	4
MATH1200 College Algebra*	3	CORE-ENGL The New Normal: Exploring Unstructured Problems	3
	18		17

Sophomore Year

<i>Fall Semester</i>			<i>Credits</i>	<i>Spring Semester</i>			<i>Credits</i>
VTSC2500	Veterinary Anesthesia and Surgery*		4	VTSC2000	Laboratory Animal Science*		2
VTSC2102	Clinical Pathology*		3	VTSC2001	Veterinary Radiology*		2
VTSC2900**	Externship Module I*		2	VTSC2101	Veterinary Hematology*		3
VTSC2902	Practical Experience I*		1	VTSC2201	Farm Animal Skills*		2
ENGL1003	Writing about Literature		3	VTSC2904	Practical Experience II*		1
					Open Elective		3
				PSYC1001	Introduction to Psychology		3
			13				16
					Total Credits:		64

**The hours for this externship are completed in the summer between the first and second year.

School of Design and Technology

Bachelor of Science in Applied Computer Science

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CPTR1100	Computer Programming I	3	MATH2202	Calculus I OR	3
PSYC1001	Introduction to Psychology	3	MATH2302	Calculus II	
CORE1001	Managing Transitions: Change as a Norm	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
MGMT1000	Introduction to Business Models	3	CPTR1400	Computer Programming II	3
MATH2001	Pre-Calculus and Functions OR	3	CPTR2000	Systems and Architectures	3
MATH2202	Calculus I		PHIL1300	Informal Logic and Critical Thinking	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
ENGL1003	Writing About Literature	3	MATH3305	Linear Algebra	3
MATH2400	Discrete Mathematics	3	MGMT1805	Introduction to Project Management	3
CPTR2400	Database Management	3	CPTR3175	Agile Project Management with Scrum	3
GAME2175	Software Engineering Life Cycle	3	CPTR3850	Algorithms and Theory of Computing	3
CPTR2300	Data Structures	3		Social Science Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE3100	Developing an Entrepreneurial Mindset	3	CPTR4200	Mobile & Cloud Software Development	3
	Humanities/Fine Arts Elective	3		CPTR Elective	3
CPTR3300	Programming Languages	3		ACS Specialization Elective	3
	Science Elective with Lab	4		Science Elective	3
	ACS Specialization Elective	3		Open Elective	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CPTR4850	Artificial Intelligence	3		Open Elective	3
	Practicum/CPTR Elective	3	CPTR4901	Capstone	3
	Open Elective	3		ACS Specialization Elective	3
	Humanities/Fine Arts Elective	3		Humanities/Fine Arts Elective	3
	ACS Specialization Elective	3		Open Elective	3
		15			15
				Total Credits:	121

Applied Computer Science curriculum has three specializations. The specialization courses are represented in the core curriculum as specialization electives of which there are four:

Game Programming

GAME3135 Game Programming I

GAME3145 Game Programming II

GAME4115 Artificial Intelligence for Video Games

GAME3902 Serious Games Project

Security

CPTR2800 Information Security and Information Technology Fundamentals

CPTR3801 Information Security Incident Handling

CPTR3803 Digital Forensics

CPTR3804 Cryptography and Information Security

Data Science

DATA2001 Data Science Tools and Techniques

MATH2101 Business Statistics

CPTR4100 Machine Learning

CPTR3805 Bioinformatics

Bachelor of Science in Business Administration

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credit</i>
ECON1200	Global Economics: Micro and Macro Perspectives	3	MKTG2004	Marketing I – Creating Marketing, Branding and Sales Strategies	3
CORE1001	Managing Transitions: Change as a Norm	3	MATH2101	Applied Business Statistics	3
PSYC1001	Introduction to Psychology	3	CORE-ENGL	The New Normal: Unstructured Problems	3
MATH1200	College Algebra	3		Open Elective	3
MGMT1000	Introduction to Business Models	3		Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
ACCT2100	Accounting and Finance I - Concepts and Tools	3	MGMT2900	Business Career Exploration	3
MGMT2400	Supply Chains and Innovations	3	ACCT3100	Accounting and Finance II – Financial Decision Making	3
MKTG3004	Marketing II – Analyzing, Marketing, Branding, and Sales Strategies	3		Business Elective (2000 Level)	3
CORE3100	Developing an Entrepreneurial Mindset	3		Open Elective	3
ENGL1003	Writing about Literature	3		Science Elective with Lab	4
		15			16

Junior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
MGMT3700 Business Decision Making: Law, Ethics and Strategies	3	MKTG3001 Marketing Management	3
INFO3300 Business Analytics OR	3	MGMT4900 Career Internship	3
INFO2500 Data Visualization OR		Humanities/Fine Arts	3
Business Elective (2000+)		Elective	
Open Elective	3	Open Elective	3
Business Elective	3	Humanities/Fine Arts	3
		Elective	
General Education Elective	3		
	15		15

Senior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
MGMT4101 Capstone I (<i>Business Policy</i>)	3	MGMT4102 Capstone II (<i>Business Elective</i> 3000+)	3
		General Education Elective	3
Business Elective (3000+)	3		
Business Elective (3000+)	3	MGMT4003 Developing Business Leadership (MGMT 4195)	3
Open Elective	3	Open Elective	3
Open Elective	3	Business Elective (3000+)	3
	15		15
		Total Credits:	121

Courses listed in parentheses designate acceptable substitutions ONLY until the designated new course is available.

Bachelor of Science in Business Administration - Computer Information Systems Concentration

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CPTR1100	Computer Programming I	3	MGMT1805	Introduction to Project Management	3
PSYC1001	Introduction to Psychology	3	ECON1200	Global Economics: Micro and Macro Perspectives	3
CORE1001	Managing Transitions: Change as a Norm	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
MGMT1000	Introduction to Business Models	3	MATH2101	Applied Business Statistics	3
MATH1200	College Algebra	3	MKTG2004	Marketing I – Creating Marketing, Branding and Sales Strategies	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
ACCT2100	Accounting and Finance I – Concepts and Tools	3	MGMT2400	Supply Chains and Innovations	3
CPTR2800	Information Security and IT Fundamentals	3	ACCT3100	Accounting and Finance II – Financial Decision Making	3
MKTG3004	Marketing II – Analyzing, Marketing, Branding and Sales Strategies	3	MGMT2900	Business Career Exploration	3
CORE3100	Developing an Entrepreneurial Mindset	3	ENGL1003	Writing About Literature	3
	Open Elective	3		General Education Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT3700	Business Decision Making: Law, Ethics and Strategies	3		General Education Elective	3
MGMT3800	Management Information Systems	3	MGMT4900	Career Internship	3
	Science Elective with Lab	4	MKTG3001	Marketing Management	3
	CPTR Elective (3000+)	3		CPTR Elective	3
	Open Elective	3		Humanities/Fine Arts Elective	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
INFO3300	Business Analytics	3	MGMT4102	Capstone II (<i>Business Elective</i> 3000+)	3
MGMT4101	Capstone 1 (MGMT4100)	3		General Education Elective	3
	CPTR Elective (3000+)	3	MGMT4003	Developing Business Leadership (MGMT4195)	3
	Humanities/Fine Arts Elective	3		CPTR Elective	3
	Open Elective	3		Open Elective	3
		15			15
				Total Credits:	121

Courses listed in parentheses designate acceptable substitutions ONLY until the designated new course is available.

Students may choose to take any four approved program electives in order to complete the degree. A listing of approved program electives can be found on the Becker website.

Bachelor of Science in Business Administration - Data Science Concentration

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

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
MGMT1000 Introduction to Business Models	3	MKTG2004 Marketing I – Creating Marketing, Branding, and Sales Strategies	3
ECON1200 Global Economics: Micro and Macro Perspectives	3	CORE-ENGL The New Normal: Exploring Unstructured Problems	3
CORE1001 Managing Transitions: Change as the Norm	3	CPTR1400 Programming II	3
MATH2202 Calculus I	3	MATH2302 Calculus II	3
CPTR1100 Programming I	3	DATA2001 Data Science Tools and Techniques	3
	15		15

Sophomore Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
PSYC1001 Introduction to Psychology	3	MGMT2900 Business Career Exploration	3
MKTG3004 Marketing II – Analyzing, Marketing, Branding and Sales Strategies	3	CPTR2400 Database Management	3
CPTR2350 Data Structures and Algorithms	3	ENGL1003 Writing about Literature	3
CORE3100 Developing an Entrepreneurial Mindset	3	INFO2500 Data Visualization	3
MATH3205 Statistical Methods for Data Analysis	3	Science Elective with Lab	4
	15		16

Junior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
MGMT3700 Business Decision Making: Law, Ethics and Strategies	3	CPTR3400 Data Warehousing	3
ACCT2100 Accounting and Finance I – Concepts and Tools	3	ACCT3100 Accounting and Finance I - Financial Decision Making	3
General Education Elective	3	MATH3305 Linear Algebra	3
MATH3200 Multivariate Statistics	3	CPTR4100 Machine Learning	3
CPTR3450 Data Warehouse & Data Mining with AI	3	INFO3901 Data Science Practicum	3
	15		15

Senior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
MGMT4101 Capstone I (Business Policy)	3	MGMT4102 Capstone II (Business Elective 3000+)	3
INFO4200 Predictive Analysis	3	General Education Elective	3
MGMT4003 Developing Business Leadership (MGMT4195)	3	PHIL3001 Ethics	3
Open Elective	3	Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3	Open Elective	3
	15		15
		Total Credits:	121

Bachelor of Science in Business Administration - Management Concentration

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

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
ECON1200 Global Economics: Micro and Macro Perspectives	3	MKTG2004 Marketing I – Creating Marketing, Branding and Sales Strategies	3
CORE1001 Managing Transitions: Change as a Norm	3	MATH2101 Applied Business Statistics	3
MGMT1000 Introduction to Business Models	3	CORE-ENGL The New Normal: Unstructured Problems	3
MATH1200 College Algebra	3	Humanities/Fine Arts Elective	3
PSYC1001 Introduction to Psychology	3	Open Elective	3
	15		15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
ACCT2100	Accounting and Finance I – Concepts and Tools	3	MGMT2900	Business Career Exploration	3
MGMT2400	Supply Chains and Innovations	3	ACCT3100	Accounting and Finance II – Financial Decision Making	3
MKTG3004	Marketing II – Analyzing, Marketing, Branding and Sales Strategies	3		Business Elective (2000 Level)	3
CORE3100	Developing an Entrepreneurial Mindset	3		Open Elective	3
ENGL1003	Writing about Literature	3		Science Elective with Lab	4
		15			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT3700	Business Decision Making: Law, Ethics and Strategies	3	MGMT3100	Managing in the Global Economy	3
MGMT3400	Human Resource Management	3	MKTG3001	Marketing Management	3
MGMT3205	Organizational Behavior OR Business Elective 3000+	3	MGMT3960	Budget & Performance Measurement	3
	General Education Elective	3	MGMT4900	Career Internship	3
	Humanities/Fine Arts Elective	3		Open Elective	3
		15			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT4101	Capstone I (<i>Business Policy</i>)	3	MGMT4102	Capstone II (<i>Business Elective</i> 3000+)	3
MGMT3800	Management Information Systems	3	MGMT3890	Managing Diversity in the Changing Workplace	3
INFO3300	Business Analytics OR	3		General Education Elective	3
INFO2500	Data Visualization OR Business Elective (2000+)		MGMT4003	Developing Business Leadership (MGMT4195)	3
	Open Elective	3		Open Elective	3
	Business Elective (3000+)	3			
		15			15
				Total Credits:	121

Courses listed in parentheses designate acceptable substitutions ONLY until the designated new course is available.

Bachelor of Science in Business Administration - Marketing Concentration

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MATH1200	College Algebra	3	MKTG2004	Marketing I – Creating Marketing, Branding and Sales Strategies	3
MGMT1000	Introduction to Business Models	3	MATH2101	Applied Business Statistics	3
ECON 1200	Global Economics: Micro and Macro Perspectives	3	CORE-ENGL	The New Normal: Unstructured Problems	3
CORE 1001	Managing Transitions: Change as a Norm	3		General Education Elective	3
PSYC1001	Introduction to Psychology	3		Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
ACCT2100	Accounting and Finance I – Concepts and Tools	3	MKTG2101	Advertising	3
MGMT2400	Supply Chains and Innovations	3	MGMT2900	Business Career Exploration	3
MKTG3004	Marketing II – Analyzing, Marketing, Branding and Sales Strategies	3	ACCT3100	Accounting and Finance II – Financial Decision Making	3
CORE3100	Developing an Entrepreneurial Mindset	3		Science with Lab	4
ENGL1003	Writing about Literature	3		Open Elective	3
		15			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MKTG3001	Marketing Management	3	MGMT4900	Career Internship	3
MKTG3005	Consumer Behavior	3		Humanities/Fine Arts Elective	3
MGMT3700	Business Decision Making: Law, Ethics and Strategies	3		Humanities/Fine Arts Elective	3
INFO3300	Business Analytics	3		Open Elective	3
MKTG4400	Advanced Topics in Marketing	3		Open Elective	3
		15			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MKTG4001	Marketing Research	3		General Education Elective	3
INFO2500	Data Visualization OR Business Elective Open Elective	3 3	MGMT4003	Developing Business Leadership (MGMT4195)	3
			MGMT4102	Capstone II (<i>Business Elective</i> 3000+)	3
MGMT4101	Capstone I (MGMT4100)	3		Open Elective	3
MKTG4105	International Marketing	3		Business Elective	3
		15			15
				Total Credits:	121

Courses listed in parentheses designate acceptable substitutions ONLY until the designated new course is available.

Bachelor of Science in Esports Management

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MATH2101	Applied Business Statistics	3	MGMT1201	Competitive Gaming: Culture, Climate and Team Development	3
MGMT1000	Introduction to Business Models	3	ECON1200	Global Economics: Micro and Macro Perspectives	3
PSYC1001	Introduction to Psychology	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
MGMT1001	Introduction to Esports Management	3	GAME1120	Introduction to Game Design	3
CORE1001	Managing Transitions: Change as A Norm	3	MGMT2400	Supply Chains and Innovations	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT2201	Esports Planning and Strategy	3	MGMT2301	Esports Event Management	3
CORE3100	Developing an Entrepreneurial Mindset	3	MKTG3004	Marketing II – Analyzing, Marketing, Branding and Sales Strategies	3
ENGL1003	Writing about Literature	3	MGMT2900	Business Career Exploration	3
ACCT2100	Accounting and Finance I – Concepts and Tools	3	ACCT3100	Accounting and Finance II – Financial Decision Making	3
MKTG2004	Marketing I – Creating Marketing, Branding, and Sales Strategies	3		Science with Lab Elective	4
		15			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT3101	Esports Business Models	3		Open Elective	3
MGMT3301	Esports Game Technology	3		Science Elective	3
	General Education Elective	3		Open Elective	3
	Open Elective	3	MGMT4003	Developing Business Leadership	3
	Open Elective	3		Humanities/Fine Arts Elective	3
		15			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT4900	Career Internship	3	MGMT4302	Esports Capstone II	3
MGMT3401	Esports Industry Trends	3	MGMT4401	Building and Sustaining Community in the New Age of Participation	3
MGMT4301	Esports Capstone I	3		General Education Elective	3
	Business Elective (3000+)	3		Business Elective (3000+)	3
	Open Elective	3		Humanities/Fine Arts Elective	3
		15			15
				Total Credits:	121

Courses listed in parentheses designate acceptable substitutions ONLY until the designated new course.

Bachelor of Science in Social Innovation and Entrepreneurship

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

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT1805	Introduction to Project Management	3	MKTG2004	Marketing I – Creating Marketing, Branding, and Sales Strategies	3
MGMT1000	Introduction to Business Models	3	ECON1200	Global Economics: Micro and Macro Perspectives	3
PSYC1001	Introduction to Psychology	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
MATH1200	College Algebra	3	HUMN2103	Global Citizenship & Community Engagement	3
CORE1001	Managing Transitions: Change as A Norm	3	MGMT2077	Social Business	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT2500	Small Business Management	3	MGMT3201	Innovation for Sustainability	3
CORE3100	Developing an Entrepreneurial Mindset	3	MKTG3004	Marketing II – Analyzing, Marketing, Branding and Sales Strategies	3
ENGL1003	Writing about Literature	3	MGMT2900	Business Career Exploration	3
MATH2101	Applied Business Statistics	3	MGMT3100	Managing in the Global Economy	3
SOCI2100	Women of the World	3	HUMN3100	Intercultural Communication	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MGMT3700	Business Decision Making: Law, Ethics and Strategies	3		Open Elective*	3
SOCI3600	Global Poverty & Economic Inequality	3		Open Elective*	3
MGMT2511	Applied Social Entrepreneurship	3		Open Elective*	3
	Science Elective w/ Lab	4		Open Elective*	3
ENGL2003	Public Speaking	3	MGMT4900	Career Internship*	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	Social Science or Humanities Elective	3	MGMT4003	Developing Business Leadership (MGMT4195)	3
SOCI2200	Social Business Planning	3	MGMT4101	Capstone I (<i>Business Policy</i>)	3
SOCI2210	Social Business Research	3		Open Elective	3
	Business Elective	3		Business Elective (3000+)	3
	Business Elective	3		Business Elective	3
		15			15
				Total Credits:	121

* Students may opt to participate in the Semester in the City study away program in place of these five courses. The program consists of SOCI 3400 Social Innovator's Toolbox (3 cr) and SOCI 4900 Internship (12 cr). Students opting to participate in Semester in the City will replace the MGMT 4900 and four open electives with SOCI 3400 and SOCI 4900.

Bachelor of Science in Sports Management

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MATH1200	College Algebra	3	SPMG2400	Sport Marketing and Event Management	3
MGMT1000	Introduction to Business Models	3	ECON1200	Global Economics: Micro and Macro Perspectives	3
PSYC1001	Introduction to Psychology	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
SPMG2302	Introduction to Sport Management	3		General Education Elective	3
CORE1001	Managing Transitions: Change as A Norm	3		Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
SPMG2600	Sport Administration & Governance	3	SPMG2900	Business Career Exploration (<i>business elective</i>)	3
CORE3100	Developing an Entrepreneurial Mindset	3	MKTG3004	Marketing II – Analyzing, Marketing, Branding and Sales Strategies	3
ENGL1003	Writing about Literature	3	MGMT2400	Supply Chains and Innovations	3
ACCT2100	Accounting and Finance I – Concepts and Tools	3	ACCT3100	Accounting and Finance II – Financial Decision Making	3
MATH2101	Applied Business Statistics	3		Open Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
SPMG3100	Sport Facility Management	3		Open Elective	3
	Open Elective	3		Open Elective	3
	Business Elective (2000+)	3		Humanities/Fine Arts Elective	3
	General Education Elective	3	SPMG4900	Internship in Sport Management	3
	Science Elective w/ Lab	4	MGMT3700	Business Decision Making: Law, Ethic and Strategies	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
SPMG4500	Sport Finances and Economics	3	SPMG4200	Legal and Ethical Issues in Sport	3
	Humanities/Fine Arts Elective	3	SPMG4901	Internship in Sport Management	3
	General Education Elective	3	MGMT4101	Business Capstone	3
	Open Elective	3		Business or SPMG Elective	3
	Business Elective	3		General Education Elective	3
		15			15
				Total Credits:	121

Design Programs - Bachelor of Arts

The Design Programs offer the Bachelors of Arts in Integrated Graphic Design and Media and a Bachelors of Arts in Interactive Media Design with concentrations in Game Art, Game Design, Game Development and Programming, and Game Production and Management.

Bachelor of Arts in Integrated Graphic Design and Media

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

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
GRPH1100 Design Technology	3	ARTS1100 Principles of Drawing	3
SOCI1001 Introduction to Sociology	3	GRPH1001 History of Graphic Design	3
CORE1001 Managing Transitions: Change as a Norm	3	CORE-ENGL The New Normal: Exploring Unstructured Problems	3
MATH1200 College Algebra	3	GRPH2200 Computer Illustration	3
ARTS1301 Principles of Design	3	Open Elective	3
	15		15

Sophomore Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
ARTS1003 Art History I OR	3	GRPH2230 Integrated Media Solutions	3
ARTS1004 Art History II OR		GRPH2150 Graphic Design II	3
ARTS2003 Contemporary Art History: Art and Artists of the Digital Age		GRPH2170 Principles of Digital Imaging	3
GRPH2140 Graphic Design I	3	MKTG2101 Advertising	3
GRPH2110 Typography	3	Science Elective w/ Lab	4
Open Elective	3		
ENGL1003 Writing About Literature	3		
	15		16

Junior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
CORE3100 Developing an Entrepreneurial Mindset	3	GRPH3110 Advanced Web Design	3
GRPH2160 Introduction to Web Design	3	GRPH3140 Package Design	3
GRPH Elective	3	GRPH3150 Branding & ID Systems	3
GRPH3120 Publication Design	3	Open Elective	3
GRPH3130 Advertising Design	3	GRPH2180 Animation and Motion Graphics	3
	15		15

Senior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
GRPH4520 Senior Team Project	3	GRPH4510 Design Portfolio	3
GRPH4110 Design Studio I	3	GRPH4210 Design Studio II	3
GRPH4400 Advanced Topics in Design	3	Open Elective	3
Social Science Elective	3	GRPH4300 Career Internship OR	3
Open Elective	3	GRPH Elective	
		Open Elective	3
	15		15
		Total Credits:	121

Students may choose to take any four approved program electives in order to complete the degree. A listing of approved program electives can be found on the Becker website.

Bachelor of Arts in Interactive Media Design**Game Studio / Live Studio**

The centerpiece of the Becker College Interactive Media Design degree program V2.0 is the studio experience built into the curriculum. All students are required to complete six semesters of the Game Studio and have the option of using program electives to take advanced Live Studio courses. These are described below.

Game Studio and Live Studio represent Becker College curricula which concentrate on the development, iteration and launch components of interactive media property development.

Game Studio

Students work in teams, across interactive disciplines (programming, design, art asset creation, and production), and across experience levels, (sophomore, junior, senior), to develop video games of publishable quality. Students may work on the same teams and on the same or new game projects from semester to semester. Student assignments to game projects are made by faculty as part of the course registration process. Students are required to complete at least 18 credits of Game Studio to be eligible for graduation.

Live Studio

Students work in teams on existing, externally supported projects through Massachusetts Digital Games Institute (MassDiGI) or other partners. Live Studio teams represent students from all the interactive disciplines (programming, design, art asset creation, and production), and all experience levels, (second semester freshmen, sophomore, junior, senior), and may include individuals from industry or from other colleges. Student eligibility for participation in Live Studio projects is based on the attainment of advanced game development skill sets commensurate with honors-level academic performance. Students may work on the same different teams and on the same or new game projects from semester to semester. Eligible students are required to submit an on-line application well in advance of the semester registration deadline each semester they are interested in taking the course; Faculty will select eligible students and register them for sections of Live Studio. Teams are then assigned based on consultation between faculty and MassDiGI/other partners. The 3-credit Live Studio course may be used by students to meet their Interactive Media and/or open elective requirements. Students may take and get credit for multiple instances of Live Studio during their undergraduate career at Becker. Live Studio courses may not be used to fulfill Game Studio credit. Faculty and/or approval of the Dean/Associate Dean of the School of Design and Technology are required for participation.

Students may choose from one of four concentrations which include Game Art, Game Programming and Development, Game Design, and Game Production and Management.

Interactive Media Design Game Arts Concentration

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE1001	Managing Transitions: Change as a Norm	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
PSYC1001	Introduction to Psychology	3	GAME2115	Raster and Vector for Games	3
GAME1001	History of Game Development	3	GAME1120	Introduction to Game Design	3
MATH1200	College Algebra	3	GAME2125	Digital 3D Modeling	3
ARTS1100	Principles of Drawing	3		Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
GAME3900	Game Studio	3	CORE3100	Developing an Entrepreneurial Mindset	3
			GAME3900	Game Studio	3
GAME3130	3D Animation	3			
GAME2001	Game Pitch and Design Documents OR Interactive Media Elective	3	ARTS2800	Life Drawing	3
ENGL1003	Writing about Literature	3	GAME2120	Intermediate Game Development	3
	Interactive Media Elective	3		Open Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	General Education Elective	3	GAME4300	Career Internship OR Interactive Media Elective	3
GAME3900	Game Studio	3	GAME3900	Game Studio	3
GAME3001	Game Industry Trends OR Interactive Media Elective	3	GAME3902	Serious Games Project	3
	Interactive Media Elective	3		Interactive Media Elective	3
	Social Science Elective	3		Science Elective with Lab	4
		15			16

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
GAME3900	Game Studio	3		General Education Elective	3
	Open Elective	3	GAME3900	Game Studio	3
	Humanities/Fine Arts Elective	3		Humanities/Fine Arts Elective	3
	Interactive Media Elective	3	GAME4610	Portfolio	3
	Interactive Media Elective	3		Interactive Media Elective	3
		15			15
				Total Credits:	121

Interactive Media Design Game Design Concentration

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE1001	Managing Transitions: Change as a Norm	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
PSYC1001	Introduction to Psychology	3	MATH2200	Statistics	3
GAME1001	History of Game Development	3	GAME1120	Introduction to Game Design	3
MATH1200	College Algebra	3	GAME2100	Effective Design Strategies	3
GAME1130	Examining Play	3		Interactive Media Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
GAME2001	Game Pitch and Design Documents OR Interactive Media Elective	3	CORE3100	Developing an Entrepreneurial Mindset	3
GAME3900	Game Studio	3	GAME3900	Game Studio	3
GAME2110	Storyboarding Animation	3	GAME3150	Level Design	3
ENGL1003	Writing about Literature	3	GAME2120	Intermediate Game Development	3
	Interactive Media Elective	3		Open Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	General Education Elective	3	GAME4300	Career Internship OR Interactive Media Elective	3
GAME3900	Game Studio	3	GAME3900	Game Studio	3
GAME3001	Game Industry Trends OR Interactive Media Elective	3	GAME3902	Serious Game Project	3
GAME2105	Literary Development of Virtual Worlds	3		Interactive Media Elective	3
	Science Elective with Lab	4		Social Science Elective	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
GAME3900	Game Studio	3		General Education Elective	3
			GAME3900	Game Studio	3
	Humanities/Fine Arts Elective	3	GAME4610	Portfolio	3
	Interactive Media Elective	3		Humanities/Fine Arts Elective	3
	Interactive Media Elective	3		Interactive Media Elective	3
	Open Elective	3			
		15		Total Credits:	15
					121

Students may choose to take any four approved program electives in order to complete the degree. A listing of approved program electives can be found on the Becker website.

Interactive Media Design Game Development and Programming Concentration

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE1001	Managing Transitions: Change as a Norm	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
PSYC1001	Introduction to Psychology	3	CPTR1400	Computer Programming II	3
GAME1001	History of Game Development	3	GAME1120	Introduction to Game Design	3
MATH2202	Calculus I	3		Approved MATH Elective	3
CPTR1100	Computer Programming I	3		Interactive Media Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CPTR2300	Data Structures	3	CORE3100	Developing an Entrepreneurial Mindset	3
GAME3900	Game Studio	3	GAME2120	Intermediate Game Development	3
GAME2001	Game Pitch and Design Documents OR Interactive Media Elective	3	GAME3900	Game Studio	3
ENGL1003	Writing about Literature	3	GAME3135	Game Programming I	3
	Interactive Media Elective	3		Science Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	Open Elective	3	GAME4300	Career Internship OR Interactive Media Elective	3
GAME3900	Game Studio	3	GAME3900	Game Studio	3
GAME3001	Game Industry Trends OR Interactive Media Elective	3	GAME3902	Serious Game Project	3
	Interactive Media Elective	3		Interactive Media Elective	3
	Science Elective with Lab	4		Social Science Elective	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
GAME4115	Artificial Intelligence for Video Games	3		General Education Elective	3
GAME3900	Game Studio	3	GAME3900	Game Studio	3
	Humanities/Fine Arts Elective	3	GAME4610	Portfolio	3
	Interactive Media Elective	3		Humanities/Fine Arts Elective	3
	Open Elective	3		Interactive Media Elective	3
		15			15
				Total Credits:	121

Students may choose to take any four approved program electives in order to complete the degree. A listing of approved program electives can be found on the Becker website.

Interactive Media Design Game Production and Management Concentration

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE1001	Managing Transitions: Change as a Norm	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
PSYC1001	Introduction to Psychology	3	MATH2200	Statistics	3
GAME1001	History of Game Development	3	GAME1120	Introduction to Game Design	3
MATH1200	College Algebra	3	MKTG2004	Marketing I – Creating Marketing, Branding and Sales Strategies	3
MGMT1000	Introduction to Business Models	3		Interactive Media Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
GAME2001	Game Pitch and Design Documents OR Interactive Media Elective	3	CORE3100	Developing an Entrepreneurial Mindset	3
GAME3900	Game Studio	3	GAME3900	Game Studio	3
GAME2175	Software Engineering Life Cycle	3	GAME3175	Agile Product Management with Scrum	3
ENGL1003	Writing about Literature	3	GAME2120	Intermediate Game Development	3
	Interactive Media Elective	3		Open Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	General Education Elective	3	GAME4300	Career Internship OR Interactive Media Elective	3
GAME3900	Game Studio	3	GAME3900	Game Studio	3
GAME3001	Game Industry Trends OR Interactive Media Elective	3	GAME3902	Serious Games Project	3
GAME4200	Game Analytics	3		Interactive Media Elective	3
	Science Elective with Lab	4		Social Science Elective	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
GAME3900	Game Studio	3		General Education Elective	3
	Humanities/Fine Arts Elective	3	GAME3900	Game Studio	3
	Interactive Media Elective	3	GAME4610	Portfolio	3
	Interactive Media Elective	3		Humanities/Fine Arts Elective	3
	Open Elective	3		Interactive Media Elective	3
		15		Total Credits:	15
					121

Students may choose to take any four approved program electives in order to complete the degree. A listing of approved program electives can be found on the Becker website.

School of Humanities and Social Sciences

Bachelor of Arts in Early Childhood and Youth Education

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

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC1002	Developmental Child Psychology	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	PSYC1001	Introduction to Psychology	3
EDUC1010	Introduction to Early Childhood Education	3	EDUC1004	Experiences in ECE Curriculum	3
EDUC1201	Arts in Education	3		Math Elective	3
SOCI1001	Introduction to Sociology	3		Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
EDUC2203	Diverse Learners in the Classroom	3	PSYC2105	Social Psychology	3
EDUC1001	Behavior and the Young Child	3	ENGL1006	Children's Literature	3
EDUC2405	Observing, Documenting, and Assessing Children	3	CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing About Literature	3		Science with Lab Elective	4
	Open Elective	3	ENGL2102	Advanced Composition	3
		15			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
EDUC2004	Administering and Evaluating Quality Programs for Young Children/Youth	3	EDUC3203	Math, Science and Technology for Young Children	3
EDUC2500	Practicum I	6	ENGL2003	Public Speaking	3
EDUC3101	Foundations of Literacy Humanities/Fine Arts Elective	3 3	SOCI2400	Social Problems Open Elective	3 3
		16		Open Elective	3
					15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
EDUC3500	Practicum II OR	6	EDUC4100	ECE Capstone	3
EDUC3901	Education Internship			Open Elective	3
PSYC3200	Psychology of Family	3		Open Elective	3
PSYC3400	Abnormal Psychology	3		Open Elective	3
	Open Elective	3		Open Elective	3
		15			15
				Total Credits	121

Bachelor of Arts in Liberal Arts

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

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

All Liberal Arts students must declare and complete a minor in their junior and senior years. Sequence may vary as long as prerequisites are met.

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	Math Elective	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3		History Elective	3
	Philosophy Elective	3	SOCI1001	Introduction to Sociology	3
PSYC1001	Introduction to Psychology	3		Open Elective	3
	Humanities Elective (1000+)	3		Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
ENGL2102	Advanced Composition	3	ENGL2003	Public Speaking	3
GOVT1108	American Government	3		General Education Elective (2000+)	3
	OR			Open Elective	3
GOVT1109	State and Local Government			Open Elective	3
ENGL1003	Writing About Literature	3		Open Elective	3
	Science with Lab Elective	4		Open Elective	3
	Psychology Elective (2000+)	3			
		16			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	English Elective (2000+)	3	CORE3100	Developing an Entrepreneurial Mindset	3
	Philosophy Elective	3		Humanities Elective (2000+)	3
	Arts Elective	3		Sociology Elective (2000+)	3
	History Elective	3		English Elective (2000+)	3
	Open Elective	3		Open Elective	3
		15			15

Senior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
General Education Elective (2000+)	3	LIBA4100 Senior Seminar in Liberal Arts	3
English Elective (3000+)	3	Humanities Elective (2000+)	3
Humanities Elective (2000+)	3	Internship OR Open Elective	3
Open Elective	3	Open Elective	3
Open Elective	3	Open Elective	3
	15		15
		Total Credits	121

Bachelor of Arts in Psychology

The Psychology program provides students with broad exposure to various subfields within the discipline and allows for a concentration in Mental Health Counseling, Applied Behavior Analysis, Addictions Counseling, or Pre-Med/Health Sciences.

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

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

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
PSYC1001 Introduction to Psychology	3	CORE-ENGL The New Normal: Exploring Unstructured Problems	3
CORE1001 Managing Transitions: Change as a Norm	3	PSYC2105 Social Psychology	3
PSYC2001 Psychology of Adjustment	3	PSYC1002 Developmental Child Psychology OR	3
Open Elective	3	PSYC1007 Human Growth and Development	
MATH2200 Statistics	3	SOCI1101 Introduction to Sociology	3
		Open Elective	3
	15		15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC2002	Psychology of Personality	3	PSYC2014	Writing for Psychology	3
	Science with Lab Elective (BIOL2503 Recommended)	4		General Education Elective (ENGL2003 Recommended)	3
	Humanities/Fine Arts Elective	3	CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing About Literature	3		Health Elective	3
	Open Elective	3		Open Elective	3
		16			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC2603	Brain and Behavior	3		Humanities/Fine Arts Elective	3
PSYC3902	Psychology Internship I and Seminar OR	3		Science with Lab Elective (BIOL2504 Recommended)	4
PSYC3903	Psychology Internship II and Seminar			Open Elective	3
PSYC3400	Abnormal Psychology	3		Open Elective	3
PSYC2107	Experimental Psychology	3		Open Elective	3
	Open Elective	3			
		15			16

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC4005	Research Methods with Lab	4	PSYC4600	Senior Seminar	3
	Psychology Elective	3		Psychology Elective	3
	Psychology Elective	3		Open Elective	3
	Open Elective	3		Open Elective	3
	Open Elective	3			
		16			12
				Total Credits	120

Bachelor of Arts in Psychology – Addictions Counseling Concentration

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

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

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC1001	Introduction to Psychology	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	PSYC2105	Social Psychology	3
PSYC2001	Psychology of Adjustment	3	PSYC1002	Developmental Child Psychology OR	3
	Open Elective	3	PSYC1007	Human Growth and Development	
MATH2200	Statistics	3	SOCI1101	Introduction to Sociology	3
				Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC2002	Psychology of Personality	3	PSYC2014	Writing for Psychology	3
	Science with Lab Elective (BIOL2503 Recommended)	4		General Education Elective (ENGL2003 Recommended)	3
EXSC3205	Drugs and Society	3	CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing About Literature	3	PSYC2303	Psychopharmacology for Counselors	3
	Open Elective	3		Science with Lab Elective (BIOL2504 Recommended)	4
		16			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC2603	Brain and Behavior	3	SOCI2400	Social Problems	3
PSYC3305	Group Counseling	3		Humanities/Fine Arts Elective	3
PSYC3301	The 12 Core Functions of the Substance Abuse Counselor	3	PSYC3300	Addictions Counseling	3
PSYC3400	Abnormal Psychology	3		Open Elective	3
PSYC2107	Experimental Psychology	3		Open Elective	3
		15			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC4005	Research Methods with Lab	4	PSYC4600	Senior Seminar	3
	Psychology Elective	3		Humanities/Fine Arts Elective	3
PSYC4903	Practicum in Addictions Counseling	6		Open Elective	3
	Open Elective	3		Open Elective	3
		16			12
				Total Credits	120

Bachelor of Arts in Psychology – Applied Behavior Analysis Concentration

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

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC1001	Introduction to Psychology	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	PSYC2105	Social Psychology	3
PSYC2001	Psychology of Adjustment	3	PSYC1002	Developmental Child Psychology OR	3
	Open Elective	3	PSYC1007	Human Growth and Development	
MATH2200	Statistics	3	SOCI1101	Introduction to Sociology	3
			ENGL1006	Children's Literature	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC2002	Psychology of Personality	3	PSYC2014	Writing for Psychology	3
	Science with Lab Elective (BIOL2503 Recommended)	4	PSYC1013	Practicum in Applied Behavior Analysis	6
	Open Elective	3	CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing About Literature	3	PSYC2710	Assessment and Measurement in Behavior Analysis	3
PSYC2705	Basic Concepts and Principles in Applied Behavior Analysis	3			
		16			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC2013	Practicum in Applied Behavior Analysis	6	PSYC3400	Abnormal Psychology	3
PSYC3705	Beginning Strategies for Changing Behavior	3		Humanities/Fine Arts Elective	3
	Open Elective	3	PSYC3013	Practicum in Applied Behavior Analysis	6
PSYC2107	Experimental Psychology	3		Science with Lab Elective (BIOL2504 Recommended)	4
		15			16

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC4005	Research Methods with Lab	4	PSYC4600	Senior Seminar	3
PSYC3710	Advanced Strategies for Changing Behavior	3		Psychology Elective	3
PSYC2603	Brain and Behavior	3		Open Elective (ENGL2003 Recommended)	3
	Open Elective	3	PSYC4306	Counseling Theory and Practice	3
	Humanities/Fine Arts Elective	3			
		16			12
				Total Credits	120

Bachelor of Arts in Psychology – Mental Health Counseling Concentration

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

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC1001	Introduction to Psychology	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	PSYC2105	Social Psychology	3
PSYC2001	Psychology of Adjustment	3	PSYC1002	Developmental Child Psychology OR	3
	Open Elective	3	PSYC1007	Human Growth and Development	
MATH2200	Statistics	3	SOCI1001	Introduction to Sociology	3
				Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC2002	Psychology of Personality Science with Lab Elective (BIOL2503 Recommended)	3	PSYC2014	Writing for Psychology	3
	Open Elective	4	PSYC2303	Psychopharmacology for Counselors	3
		3	CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing About Literature	3		Science with Lab Elective (BIOL2504 Recommended)	4
PSYC2705	Basic Concepts and Principles in Applied Behavior Analysis	3		Open Elective (ENGL2003 Recommended)	3
		16			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC3902	Psychology Internship I and Seminar OR	3	SOCI2400	Social Problems	3
PSYC3903	Psychology Internship II and Seminar			Humanities/Fine Arts Elective	3
	Open Elective	3		Health Elective	3
PSYC2107	Experimental Psychology	3		Open Elective	3
PSYC3400	Abnormal Psychology	3		Open Elective	3
PSYC3305	Group Counseling	3			
		15			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC4005	Research Methods with Lab	4	PSYC4600	Senior Seminar	3
	Psychology Elective	3		Open Elective	3
PSYC2603	Brain and Behavior	3		Open Elective	3
	Open Elective	3	PSYC4306	Counseling Theory and Practice	3
	Humanities/Fine Arts Elective	3			
		16			12
				Total Credits	120

Bachelor of Arts (B.A.) to Master of Arts (M.A.) Degree Program

The B.A. to M.A. program option affords qualified Becker College undergraduates the opportunity to enroll in graduate courses and gain conditional acceptance into the Master of Arts in Mental Health Counseling program while completing their undergraduate degree.

Eligibility for enrollment in the B.A. to M.A. program includes the following:

- GPA of 3.3 or higher*
- Completion of at least 90 credits prior to graduate course registration
- 2 or more psychology electives remaining
- Enrollment in 9 or more credits per term

* *Modified Eligibility Policy*: Students who have a GPA of at least 2.75 but less than 3.3 may request enrollment in the B.A. to M.A. program by providing two (2) recommendations from Becker faculty attesting to the student's ability to succeed in graduate level courses, as well as a recent work sample from an upper level Psychology course (2000-level or higher). All other eligibility requirements regarding completed credits, remaining electives and credit load remain the same as those stated above. Students who obtain permission to enroll in the B.A. to M.A. program through this modified eligibility policy must obtain a grade of B or higher in each graduate course in order to enroll in subsequent graduate courses as an undergraduate student.

- The student must apply for, and receive their baccalaureate degree before matriculating into the graduate program.
- Once accepted, a student is expected to begin their graduate studies in the semester immediately following conferral of the baccalaureate degree unless the student submits a written request for deferral and receives a written notice of agreement to defer. Deferments will be granted for no longer than one semester from the date of acceptance. (For example, if accepted for the Summer I of 2018, an individual can only defer to Summer II of 2018). Any applicant accepted to the B.A. to M.A. Degree Program who opts not to enroll in at least one course within the graduate department to which they have been accepted in the semester immediately following conferral of the bachelor's degree and who does not submit a deferral request forfeits their rights to benefits under this program. Should the student decide to begin their studies at a later time they will be required to take the GRE and have their application reassessed.
- Any graduate courses taken by a baccalaureate degree student that are credited toward the Master's degree must have been obtained with a grade of B or better.
- ONLY courses of 5000-level or higher may count toward the Master's degree.
- A maximum of 12 graduate credits (5000 or above) may be used for the Master's degree. A maximum of 6 graduate credits (5000 or above) may be used by a student in the B.A. to M.A. Degree Option for both the graduate and undergraduate degrees.
- Students must petition to have specific courses (5000-level or above) taken during their undergraduate career apply towards their graduate degree via an Academic Petition.

Students should consult with the program coordinator to determine if any undergraduate requirements are fulfilled by specific courses they take in the B.A. to M.A. option.

Upon graduation and successful completion of all B.A. to M.A. requirements, this professional studies student may be awarded unconditional acceptance into the graduate program, requiring only 1.5 years to complete the Master of Arts degree curriculum. All students enrolled in the B.A. to M.A. program are required to complete and submit the online application for admission to the master's program. Students who have obtained a grade of B or higher in all graduate courses and who have no evidence of disciplinary action against them are not required to submit any additional supporting documentation and are granted acceptance into the Master of Arts in Mental Health Counseling program. Students who have not met this minimum grade requirement and/or for whom there is evidence of disciplinary action against them will be required to submit three (3) letters of recommendation and a personal essay. The Graduate Admissions Committee may request an interview with any student, at its discretion. Applicants will be notified within 2 weeks of the Graduate Admissions Committee meeting of their acceptance or denied acceptance into the Master's degree program.

Bachelor of Arts in Psychology – Pre-Med/Health Science Concentration

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

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

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC1001	Introduction to Psychology	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	MATH2001	Pre-Calculus and Functions	3
PSYC2001	Psychology of Adjustment	3	PSYC1002	Developmental Child Psychology OR	3
	Humanities/Fine Arts Elective	3	PSYC1007	Human Growth and Development	
MATH1200	College Algebra	3		Open Elective	3
				Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
MATH2202	Calculus	3	PSYC2105	Social Psychology	3
BIOL2503	Anatomy and Physiology I OR	4	PSYC2303	Psychopharmacology for Counselors	3
BIOL1005	Anatomy and Physiology of Domestic Animals I		CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing About Literature	3	BIOL2504	Anatomy and Physiology II OR	4
CHEM1001	Chemistry I	4	BIOL1006	Anatomy and Physiology of Domestic Animals II	
			CHEM1002	Chemistry II	4
		14			17

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PHYS2001	Physics I	4	PHYS2001	Physics II	4
CHEM2100	Organic Chemistry I	4	CHEM2101	Organic Chemistry II	4
PSYC2603	Brain and Behavior	3	MATH2200	Statistics	3
				OR	
PSYC2107	Experimental Psychology	3	BIOL3200	Biostatistics	
PSYC3400	Abnormal Psychology	3		Humanities/Fine Arts Elective	3
			PSYC3902	Psychology Internship I and Seminar OR	3
			PSYC3903	Psychology Internship II and Seminar	
		17			17

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
PSYC4005	Research Methods with Lab	4	PSYC4600	Senior Seminar	3
PSYC2002	Psychology of Personality	3		Open Elective	3
BIOL3500	Genetics	3	CHEM3003	Biochemistry	3
	Open Elective (ENGL2003 Recommended)	3	PHIL3300	Medical Ethics	3
		13			12
				Total Credits	120

Bachelor of Science in Criminal Justice

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

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

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

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST1100	Criminal Justice System & Process	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	JUST1300	Theories of Crime	3
LGLS1102	Criminal Law	3	GOVT1108	American Government	3
	Math Elective	3	PSYC1001	Introduction to Psychology	3
SOCI1001	Introduction to Sociology	3		Humanities/Fine Arts Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST2202	Crisis Intervention	3	JUST2207	Police and the Community	3
JUST2203	Corrections, Systems and Process	3		Humanities/Fine Arts Elective	3
ENGL1003	Writing About Literature	3	CORE3100	Developing an Entrepreneurial Mindset	3
SOCI2001	Criminology	3		Criminal Justice Elective	3
JUST3200	Criminal Procedure and Evidence	3		Open Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST3902	Criminal Justice Internship OR Criminal Justice Elective	3	JUST3902	Criminal Justice Internship OR Criminal Justice Elective	3
LGLS3200	Topics in Law and Society	3	SOCI3200	Deviance and Social Control	3
JUST2204	Victimology and Victim Services	3		Open Elective	3
	Criminal Justice Elective	3		Open Elective	3
	Science with Lab Elective	4	GOVT4100	American Constitutional Law	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	Open Elective	3	JUST4901	Criminal Justice Capstone	3
JUST4505	Ethics and Professionalism in Criminal Justice	3		Criminal Justice Elective	3
SOCI4001	Data Analysis	3		Criminal Justice Elective	3
	Criminal Justice Elective	3		Open Elective	3
	Open Elective	3		Open Elective	3
		15			15
				Total Credits	121

Bachelor of Science in Criminal Justice – Homeland Security Concentration

The Becker College Homeland Security Concentration studies program will produce graduates prepared for careers in law enforcement, firefighting, government, law, emergency response and management, and research. Courses in this concentration focus on an in-depth understanding of motivations and trends, threat assessment, information security, leadership, public policy planning, preparedness and response. Students receive interdisciplinary training in advanced research into causes and management techniques, learning a wide range of skills necessary to anticipate, understand, and deal with incidents of terrorism. Courses in U.S. history and constitutional law and policy are also provided to prepare students for dealing with domestic threats.

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST1100	Criminal Justice System & Process	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	JUST1300	Theories of Crime	3
LGLS1102	Criminal Law	3	GOVT1108	American Government	3
	Math Elective	3	PSYC1001	Introduction to Psychology	3
SOCI1001	Introduction to Sociology	3	JUST1200	Introduction to Homeland Security	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST2805	Evolution of Terrorism	3	JUST2815	Physical Security and Critical Infrastructure Protection	3
JUST2810	Intelligence in Homeland Security	3		Humanities/Fine Arts Elective	3
ENGL1003	Writing About Literature	3	CORE3100	Developing an Entrepreneurial Mindset	3
SOCI2001	Criminology	3		Criminal Justice Elective	3
JUST3200	Criminal Procedure and Evidence	3	FORE2400	Forensic Psychology	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST3902	Criminal Justice Internship OR Criminal Justice Elective	3	JUST3902	Criminal Justice Internship OR Criminal Justice Elective	3
JUST3100	Threat Assessment and Management	3	SOCI3200	Deviance and Social Control	3
JUST2204	Victimology and Victim Services	3		Science with Lab Elective	4
JUST3305	Cyber Crime	3		Open Elective	3
CPTR2800	Information Security and Information Technology Fundamentals	3	GOVT4100	American Constitutional Law	3
		15			16

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	General Education Elective	3	JUST4901	Criminal Justice Capstone	3
JUST4505	Ethics and Professionalism in Criminal Justice	3		Criminal Justice Elective	3
SOCI4001	Data Analysis	3		Criminal Justice Elective	3
	Criminal Justice Elective	3		Humanities/Fine Arts Elective	3
PSYC2105	Social Psychology	3		Open Elective	3
	OR				
PSYC3400	Abnormal Psychology				
		15			15
				Total Credits	121

Bachelor of Science in Forensic Science – Criminalistics Concentration

The Forensic Science, Criminalistics track provides students with the basic and advanced sciences necessary to investigate, gather data and 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.

This program will also prepare graduates to enter advanced study and continue pursuing their studies in graduate Forensic Science programs. The program provides a balanced combination of law and science, with a rigorous course of study in numerous scientific disciplines. Students are required to achieve a grade of C or better in the following courses: FORE2001 and FORE2002. Students who do not meet this requirement, after two attempts, will be dropped from this major.

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST1100	Criminal Justice System & Process	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	JUST1300	Theories of Crime	3
BIOL1001	Biology I	4	FORE2001	Introduction to Forensics	4
MATH2200	Statistics	3	BIOL1002	Biology II	4
PSYC1001	Introduction to Psychology	3			
		16			14

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
LGLS1102	Criminal Law	3	FORE3100	Criminal Investigation	3
CHEM1001	Chemistry I	4		Humanities/Fine Arts Elective	3
ENGL1003	Writing About Literature	3	CORE3100	Developing an Entrepreneurial Mindset	3
FORE2002	Collection and Preservation of Evidence	4	CHEM1002	Chemistry II	4
			FORE2400	Forensic Psychology	3
		14			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
GOVT1108	American Government	3	SOCI1001	Introduction to Sociology	3
FORE3900	Forensic Science Internship	3	FORE3900	Forensic Science Internship	3
	OR			OR	
	FORE OR JUST Elective			FORE OR JUST Elective	
JUST2204	Victimology and Victim Services	3		Open Elective	3
PHYS2001	Physics I	4	CHEM2100	Organic Chemistry I	4
JUST3200	Criminal Procedure and Evidence	3		FORE OR JUST Elective	3
		16			16

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	Humanities/Fine Arts Elective	3	FORE4901	Forensic Science Capstone	3
JUST4505	Ethics and Professionalism in Criminal Justice	3		General Education Elective	3
SOCI4001	Data Analysis	3	GOVT4100	American Constitutional Law	3
	Science Elective	3		FORE OR JUST Elective	3
PSYC2105	Social Psychology	3		Open Elective	3
	OR				
PSYC3400	Abnormal Psychology				
		15			15
				Total Credits	122

Bachelor of Science in Forensic Science – Forensic Psychology Concentration

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

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST1100	Criminal Justice System & Process	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	SOCI1001	Introduction to Sociology	3
PSYC2001	Psychology of Adjustment	3	PSYC2105	Social Psychology	3
	Math Elective	3	FORE2400	Forensic Psychology	3
PSYC1001	Introduction to Psychology	3	PSYC1107	Human Growth and Development OR	3
			PSYC1002	Developmental Child Psychology	
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
FORE2405	Correctional Psychology	3	PSYC3400	Abnormal Psychology	3
PSYC2002	Psychology of Personality	3		Humanities/Fine Arts Elective	3
ENGL1003	Writing About Literature	3	CORE3100	Developing an Entrepreneurial Mindset	3
EXSC3205	Drugs and Society	3	JUST1300	Theories of Crime	3
BIOL1001	Biology I	4	FORE2001	Introduction to Forensics	4
	OR				
BIOL2503	Anatomy and Physiology				
		16			16

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
LGLS1102	Criminal Law	3	SOCI2400	Social Problems	3
FORE3900	Forensic Science Internship	3	FORE3900	Forensic Science Internship	3
	OR			OR	
	FORE OR PSYC Elective			FORE OR PSYC Elective	
JUST2204	Victimology and Victim Services	3		Science with Lab Elective	4
FORE4400	Criminal Minds	3		PSYC OR JUST Elective	3
PSYC2603	Brain and Behavior	3		Humanities/Fine Arts Elective	3
		15			16

Senior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
Open Elective	3	FORE4901 Forensic Science Capstone	3
General Education Elective	3	PSYC OR JUST Elective	3
PSYC OR JUST Elective	3	SOCI3200 Deviance and Social Control	3
PSYC OR JUST Elective	3	PSYC OR JUST Elective	3
Open Elective	3		
	15		12
		Total Credits	120

Bachelor of Science in Integrated Studies

The program in Integrated Studies offers students two flexible advisory paths towards degree completion: students may combine two minors with other required coursework, or combine credits from four different disciplines, in order to craft a specialized degree reflecting their areas of interest. and students who are interested in exploring multiple areas of study during their time at Becker College. While Becker has an excellent program in Liberal Arts, this new program in Liberal Studies will differ by including additional courses in the Sciences, Math/Business/Design, and Social/Behavioral Sciences, as well as by culminating in a Bachelor of Science degree.

Students work on a capstone project, which will serve as the culmination of their individualized integrated studies. Students will research and write about a topic which illustrates the relationships of meaning, interaction, and interpretation within their emphasis or multiple areas of study.

Bachelor of Science in Integrated Studies—option 1:

General Education/CORE:	40 credits
INTG Major courses:	9 credits
Courses chosen from disciplines as follows:	
Arts and Humanities	12 credits
Sciences	12 credits
Business/Math/Design	12 credits
Social and Behavioral Sciences	12 credits
Open electives:	24 credits
Total:	121 credits

Bachelor of Science in Integrated Studies—option 2:

General Education/CORE:	40 credits
INTG Major courses:	9 credits
Minor #1:	18-21 credits
Minor #2:	18-21 credits
Open electives:	30-36 credits
Total:	121 credits

Please note: if a student follows Option #2 outlined above, the student will need to complete all minor courses in the minors chosen by the student. When following Option #2, the student will be required to declare multiple minors and open elective slots will be used for their minors.

This sample curriculum sequence illustrates how a student might progress through the program using Option #1 outlined above. Course sequencing may vary as long as prerequisites are met.

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
INTG1001	Fundamentals of Integrated Studies	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3		Business/Math/Design Course	3
	Math Elective	3		Behavioral or Social Sciences Course	3
	Humanities/Fine Arts Elective	3		Humanities/Fine Arts Elective	3
	Behavioral or Social Sciences Elective	3		Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
	Science Course	3		Business/Math/Design Course	3
	Humanities/Fine Arts Elective	3		Behavioral or Social Sciences Course	3
	Behavioral or Social Sciences Elective	3	CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing About Literature	3		Open Elective	3
	Open Elective	3		Open Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
INTG3900	Internship/Practicum in Integrated Studies	3		Science Course	3
	Humanities/Fine Arts Elective	3		Business/Math/Design Course	3
	Open Elective	3		Behavioral or Social Sciences Course	3
	Open Elective	3		Open Elective	3
	Science with Lab Elective	4		Open Elective	3
		16			15

Senior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
Humanities/Fine Arts Elective	3	INTG4900 Senior Seminar in Integrated Studies	3
Behavioral or Social Sciences Course	3	Open Elective	3
Science Course	3	Science Course	3
General Education Elective	3	Business/Math/Design Course	3
Open Elective	3	Humanities/Fine Arts Elective	3
	15		15
		Total Credits	121

This sample curriculum sequence illustrates how a student might progress through the program using Option #2 outlined above. Course sequencing may vary as long as prerequisites are met.

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
INTG1001 Fundamentals of Integrated Studies	3	CORE-ENGL The New Normal: Exploring Unstructured Problems	3
CORE1001 Managing Transitions: Change as a Norm	3	Minor #1 Course	3
Math Elective	3	Minor #1 Course	3
Humanities/Fine Arts Elective	3	Open Elective	3
Behavioral or Social Sciences Elective	3	Open Elective	3
	15		15

Sophomore Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
Minor #1 Course	3	Minor #1 Course	3
Minor #2 Course	3	Minor #2 Course	3
Behavioral or Social Sciences Elective	3	CORE3100 Developing an Entrepreneurial Mindset	3
ENGL1003 Writing About Literature	3	Open Elective	3
Open Elective	3	Open Elective	3
	15		15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
INTG3900	Internship/Practicum in Integrated Studies	3	Minor #2 Course	3
	Open Elective	3	Minor #1 Course	3
	Minor #1 Course	3	Minor #2 Course	3
	Open Elective	3	Open Elective	3
	Science with Lab Elective	4	Open Elective	3
		16		15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
	Minor #2 Course	3	INTG4900 Senior Seminar in Integrated Studies	3
	Minor #2 Course	3	Open Elective	3
	Open Elective	3	Open Elective	3
	General Education Elective	3	Open Elective	3
	Open Elective	3	Humanities/Fine Arts Elective	3
		15		15
			Total Credits	121

Bachelor of Science in Legal Studies

The Legal Studies major is designed to make it possible for students from diverse backgrounds to enter the legal profession. Students will focus on the development of reading, writing, critical thinking, reasoning, analytical skills, and human experience. Students prepare for future studies related to a career in a legal setting, including work in a private practice or in large corporations, higher education, and administration. The skills developed in the classroom will provide students with options to continue their education in law school or for placement in law enforcement, legal and juvenile justice, victims' services, community-/institutional-based corrections areas, federal-, state-, and local-level criminal justice and administrative agencies, corrections, and public and private security. Open electives provide flexibility and allow students to explore individual interests.

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
LGLS1100	Introduction to Law	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE1001	Managing Transitions: Change as a Norm	3	PSYC1001	Introduction to Psychology	3
LGLS1102	Criminal Law	3	GOVT1108	American Government	3
	Math Elective	3		Legal Studies Elective	3
SOCI1001	Introduction to Sociology	3	LGLS1105	Litigation and the Court System	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST3200	Criminal Procedure and Evidence	3	LGLS3292	Conflict Resolution	3
LGLS2400	Technology and the Law	3		Legal Studies Elective	3
ENGL1003	Writing About Literature	3	CORE3100	Developing an Entrepreneurial Mindset	3
	Legal Studies Elective	3	GOVT3001	Political Theory	3
	Humanities/Fine Arts Elective	3		Open Elective	3
		15			15

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
LGLS3900	Legal Studies Internship OR Legal Studies Elective	3	LGLS3900	Legal Studies Internship OR Legal Studies Elective	3
LGLS3200	Topics in Law and Society	3	GOVT4100	American Constitutional Law	3
LGLS2300	Legal Research and Writing	3		Open Elective	3
	Humanities/Fine Arts Elective	3		Open Elective	3
	Science with Lab Elective	4	LGLS3001	Advanced Legal Writing and Analysis	3
		16			15

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
JUST4505	Open Elective	3	LGLS4500	Legal Studies Capstone	3
	Ethics and Professionalism in Criminal Justice	3	LGLS1207	Contracts and the Uniform Commercial Code	3
	Open Elective	3	LGLS2305	Tort Law	3
	Legal Studies Elective	3		Legal Studies Elective	3
	General Education Elective	3	SOCI4001	Data Analysis	3
		15			15
				Total Credits	121

School of Nursing and Health Sciences

Bachelor of Science in Exercise Science – Health and Fitness Concentration

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.

Upon successful completion of the program, students will be able to:

- Demonstrate an understanding of structural and functional anatomy and the principles of physiology as they relate to the responses and adaptations to physical activity and exercise.
- Demonstrate basic laboratory skills pertaining to data acquisition, reporting and analysis in health and fitness.
- Demonstrate an understanding of the importance of physically active lifestyle, diet and exercise as means to improve quality of life and reduce the risk and prevalence of diseases.
- Demonstrate the understanding for health and wellness programming based upon the ability to assess needs, and to develop nutritional and exercise programs in the application to physical fitness and athletic conditioning.
- Demonstrate an understanding of motor skill development across lifespan.

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE1001	Managing Transitions: Change as a Norm	3	CORE- ENGL	The New Normal: Exploring Unstructured Problems	3
	Math Elective (MATH1200 or higher)	3	EXSC1205	Health and Fitness Skills	3
	Behavioral or Social Science Elective	3	EXSC1500	Stress Management	3
SPMG2302	Introduction to Sport Management	3		Humanities/Fine Arts Elective	3
	Open Elective	3		Open Elective	3
		15			15

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
BIOL2503	Anatomy & Physiology I	4	BIOL2504	Anatomy & Physiology II	4
ENGL1003	Writing about Literature	3	EXSC2202	Emergency Responder	3
EXSC2203	Personal & Community Health	3	EXSC2105	Teaching Sports Skills	3
EXSC2205	Structural Kinesiology	3	EXSC2705	Advanced Personal Trainer (APT) Certification	4
EXSC2204	Fitness for Life	3			
		16			14

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
EXSC3105	Nutrition	3	EXSC3300	Exercise Physiology	4
PSYC3700	Sports Psychology	3	EXSC3201	Consumer Health	3
CORE3100	Developing an Entrepreneurial Mindset	3		Humanities/Fine Arts Elective	3
MATH2200	Statistics	3		Open Elective	3
	General Education Elective	3		Health Education Elective OR Elective (BIOL, CHEM, PHYS)	3
		15			16

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
EXSC4800	Assessment & Prescription in Health & Fitness	4	EXSC4205	Lifespan Motor Development and Learning	3
EXSC4105	Principles of Strength and Conditioning	3	EXSC4918	Internship in Health and Fitness	3
SPMG3100	Sport Facility Management	3		General Education Elective	3
	Open Elective	3		Open Elective	3
	Open Elective	3		Business Elective	3
		16			15
				Total Credits:	122

Students may choose to take any four approved program electives in order to complete the degree. A listing of approved program electives can be found on the Becker website.

Bachelor of Science in Exercise Science – Pre-Physical Therapy/Health Science Concentration

The Bachelor of Science in Exercise Science Pre-PT/Health Science Concentration is designed to meet the prerequisite requirements of students pursuing acceptance into Doctor of Physical Therapy (DPT) programs and also meet the requirements for a range of career paths. The Physical Therapy pathway allows students to build a foundation and learn skills in the field of rehabilitation medicine and decide which career—in physical or occupational therapy, or athletic training—is most appropriate for them.

The Pre-PT/Health Science students' education begins with a broad understanding in health sciences—biology, anatomy & physiology, and kinesiology, personal & community health—and leads to skill-building and hands on experience that includes first responder education, assessment and prescription, and lifespan motor development and learning. Students will complete Advanced Personal Trainer (APT) certification in the second year and an internship in their final year.

The objectives for the Pre-Physical Therapy/Health Science concentration are similar to that of the Health and Fitness concentration program (see the program description for the Bachelor of Science in Exercise Science – Health and Fitness Concentration for detail). In addition, students will be well prepared to apply for the graduate schools in the field of Health and Science upon completion of this concentration.

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

Freshman Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE1001	Managing Transitions: Change as a Norm	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
	Math Elective (MATH1200 or higher)	3	EXSC1205	Health and Fitness Skills	3
	Behavioral or Social Science Elective	3	BIOL1002	Biology II	4
BIOL1001	Biology I	4	MATH2200	Statistics	3
	Open Elective	3		Humanities/Fine Arts Elective	3
		16			16

Sophomore Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
BIOL2503	Anatomy & Physiology I	4	BIOL2504	Anatomy & Physiology II	4
EXSC2203	Personal and Community Health	3	EXSC2202	Emergency Responder	3
EXSC2205	Structural Kinesiology	3	EXSC2705	Advanced Personal Trainer (APT) Certification	4
MATH2001	Pre-Calculus and Functions	3	ENGL1003	Writing about Literature	3
EXSC2204	Fitness for Life	3			
		16			14

Junior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE3100	Developing an Entrepreneurial Mindset	3		Open Elective	3
CHEM1001	Chemistry I	4	EXSC3300	Exercise Physiology	4
PSYC3400	Abnormal Psychology	3	CHEM1002	Chemistry II	4
EXSC3105	Nutrition	3	EXSC3201	Consumer Health	3
	Humanities/Fine Arts Elective	3			
		16			14

Senior Year

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
EXSC4800	Assessment & Prescription in Health & Fitness	4	EXSC4205	Lifespan Motor Development and Learning	3
EXSC4105	Principles of Strength and Conditioning	3	EXSC4918	Internship in Health and Fitness	3
	Open Elective	3	PHYS2002	Physics II	4
PHYS2001	Physics I	4		Open Elective	3
				Open Elective	3
		14			16
				Total Credits:	122

Associate of Science in Nursing

Accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN), the Associate degree Nursing program prepares students for the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Students acquire nursing skills for the beginning level of practice and graduate with the competencies to assume the role of a registered nurse in the direct care of patients with health needs and problems across the continuum of care through the life span.

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

Contact Information:

- Massachusetts Board of Registration in Nursing (BORN)
239 Causeway Street, 5th Floor, Suite 500
Boston, MA 02114
1-800-414-0168
www.mass.gov/dph/boards/rn
- Accreditation Commission for Education in Nursing, Inc. (ACEN)
3343 Peachtree Road, NE, Suite 850
Atlanta, GA 30326
404-975-5000
www.acenursing.org/

Career Opportunities

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

Please refer to the specific admission requirements for all nursing programs in the Admission section of the academic catalogue. LPN admission requirements can be found in Transfer Admission from other nursing programs.

Becker College is accredited by the New England Association of Colleges and Secondary Schools.

Associate of Science in Nursing (ASN)

Freshman Year

<i>Semester I</i>	<i>Credits</i>	<i>Semester II</i>	<i>Credits</i>
BIOL2503 Anatomy & Physiology I	4	PSYC1107 Human Growth and Development	3
CORE1001 Managing Transitions: Change as a Norm	3	BIOL2504 Anatomy & Physiology II	4
NURS1103 Essentials of Health Assessment and Promotion (Theory/Class 2.5 cr./2.5 hrs) (Lab 0.5 cr./1.5 hrs.)	3	NURS1105 Nursing II (Theory/Class 5 cr./5 hrs.) (Lab 1.0 cr./3 hrs.) (Clinical Practice 4 cr./12 hrs.)	10
NURS1104 Fundamentals of Nursing (Theory/Class 2.5 cr./2.5 hrs.) (Lab 0.5 cr./1.5 hrs.) (Clinical Practice 1.0 cr./3 hrs.)	4		
PSYC1001 Introduction to Psychology	3		
Semester Total:	17	Semester Total:	17

Sophomore Year

<i>Semester I</i>	<i>Credits</i>	<i>Semester II</i>	<i>Credits</i>
CORE-ENG The New Normal: Exploring Unstructured Problems	3	MATH2200 Statistics	3
NURS2201 Nursing III (Theory/Class 5 cr./5 hrs.) (Lab 1.0 cr./3 hrs.) (Clinical 4 cr./12 hrs.)	10	NURS2202 Nursing IV (Theory/Class 5 cr./5 hrs.) (Lab 1.0 cr./3 hrs.) (Clinical 4 cr./12 hrs.)	10
BIOL2502 Microbiology	4	NURS2205 Seminar in Nursing	2
		SOCI1001 Introduction to Sociology	3
Semester Total:	17	Semester Total:	18

Nursing course credit hours/clock hours are equated as follows:

Theory/classroom: 1:1 (one credit hour = one classroom hour)

College Lab/Clinical practice: 1:3 (one credit hour = three clinical/lab hours)

Students must pass the theory, college lab, and clinical practice components of each nursing course in order to pass the course. All co-requisite courses must be taken as scheduled or in advance of the Becker College ASN program curriculum plan. Progression in nursing courses are interrupted when prerequisites and/or co-requisites have not been completed.

Students enrolled in all nursing courses with a clinical component are required to pass with 85% or better a math/dosage calculation competency test before being allowed to administer medications in the clinical setting. For details, refer to the Nursing Student Handbook.

A standardized test, e.g., ATI (Assessment Technologies Institute) Comprehensive Assessment and Review Partnership is utilized within the nursing program to assist in student learning. For details, refer to the Nursing Student Handbook.

Nursing program policy requires a minimum grade of C in science courses (Anatomy and Physiology 1 and 2, Microbiology), only one retake of each science course is allowed to achieve the grade of C.

A minimum grade of C+ (77) must be achieved in all nursing courses to progress to the next level.

Withdrawal from a nursing course at any time is considered a separation from the nursing program. Only one readmission into the nursing program after course failure or separation is allowed. Please see the Nursing Student Handbook for details of this policy.

Nursing students are required to complete a scheduled on-site live review course prior to taking the NCLEX-RN licensing exam.

Students are required to maintain his/her own copy of the Student Health Records and other important documents. Clinical sites require proof of student health and immunization status. This information is provided to affiliation offices before clinical clearance is granted. If this information is not available to the clinical site, the student would be dismissed from the nursing program.

If at any time the nursing faculty determines that a student's physical or mental ability may interfere with safe clinical performance, the student will be removed from the clinical area and referred to Student Health Services for assessment and clearance to return.

Pre-Licensure Bachelor of Science in Nursing (BSN)

Becker College Bachelor of Science in Nursing is a Pre-licensure 4-year nursing program. Out comprehensive program prepares you to assume the role of a Registered Nurse in direct care of patients in acute-care, long-term care, and community or ambulatory care settings, as well as for entry into the graduate level nursing programs.

Successful completion of this program provides the student eligibility to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) exam.

Undergraduate Admissions

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

The Pre-licensure Bachelor of Sciences (BSN) program is approved by the Massachusetts Board of Registration in Nursing (BORN).

- Massachusetts Board of Registration in Nursing (BORN)
239 Causeway Street
5th Floor Suite 500
Boston, MA 02114
1-800-414-0168
www.mass.gov/dph/boards/rn
- Accreditation Commission for Education in Nursing, Inc. (ACEN)
3343 Peachtree Road, NE, Suite 850
Atlanta, GA 30326
404-975-5000
www.acenursing.org/

Freshman Year

Semester I		Credits Semester II		Credits
BIOL2503	Anatomy & Physiology I	4	CORE-ENGLThe New Normal: Exploring Unstructured Problems	3
PSYC1001	Introduction to Psychology	3	MATH2200 Statistics	3
	Math Elective (MATH1200 or higher)	3	BIOL2504 Anatomy & Physiology II	4
CORE1001	Managing Transitions: Change as a Norm	3	PSYC1107 Human Growth and Development	3
SOCI1001	Introduction to Sociology	3	Open Elective	3
		16		16

Sophomore Year

Semester III		Credits Semester IV		Credits
EXSC3105	Nutrition	3	Open Elective	3
ENGL1003	Writing about Literature	3	HUMN3100 Intercultural Communication	3
BIOL2502	Microbiology	4	BIOL3115 Pathophysiology	3
CORE3100	Developing an Entrepreneurial Mindset	3	NURS1200 The Nurse as Scholar and Clinician	3
PHIL3300	Medical Ethics	3		
		16		12

Junior Year

<i>Semester V</i>		<i>Credits</i>	<i>Semester VI</i>		<i>Credits</i>
NURS2103	Health Assessment & Promotion Across the Lifespan (Theory/Class 2.5 cr./2.5 hrs.) (Lab 0.5 cr./1.5 hrs.)	3	NURS3350	Adult and Family Health (Theory/Class 8 cr./8 hrs.) (Lab 0.5 cr./1.5 hrs.) (Clinical Practice 3.5 cr./10.5 hrs.)	12
*NURS3002	Complementary Integrative Health Approaches	3	NURS3000	Introduction to Pharmacokinetics in Nursing	3
NURS2400	Principles of Nursing Care (Theory/Class 3 cr./3 hrs.) (Lab 1.5 cr./3 hrs.) (Clinical 2 cr./3 hrs.)	6			
	Open Elective	3			
		15			15

Senior Year

<i>Semester VII</i>		<i>Credits</i>	<i>Semester VIII</i>		<i>Credits</i>
NURS3305	Medical Surgical Nursing II (Theory/Class 3 cr./3 hrs.) (Lab 0.5 cr./1.5 hrs.) (Clinical 2.5 cr./7.5 hrs.)	6	NURS4200	Care of Patients with Complex Physiological and Psychological Health Issues (Theory/Class 3 cr./3 hrs.) (Lab 0.5 cr./1.5 hrs.) (Clinical 2.5 cr./7.5 hrs.)	6
NURS3600	Community Health Nursing (Theory/Class 3 cr./3 hrs.) (Clinical 1 cr./3 hrs.)	4	NURS4210	Transitions to Professional Nursing Practice	3
NURS4403	Professional Nurse as Educator	3	NURS4505	Nursing Informatics and Patient Care Technology	3
NURS4515	Research and Evidenced Based Practice in Nursing	3		Open Elective	3
		16			15
				Total Credits:	121

***Incoming fall 2018 juniors will take Research and Evidenced Based Practice in Nursing**

Theory/classroom: 1:1 (one credit hour = one classroom hour)

College Lab/Clinical practice: 1:3 (one credit hour = three clinical/lab hours)

Students must pass the theory, college lab, and clinical practice components of each nursing course in order to pass the course. All co-requisite courses must be taken as scheduled in the Becker College BSN program curriculum plan. Progression in nursing courses are interrupted when prerequisites and/or co-requisites have not been completed.

Students enrolled in all nursing courses with a clinical component are required to pass with 85% or better a math/dosage calculation competency test before being allowed to administer medications in the clinical setting. For details, refer to the Nursing Student Handbook.

A standardized test, e.g., ATI (Assessment Technologies Institute) Comprehensive Assessment and Review Partnership is utilized within the nursing program to assist in student learning. For details, refer to the Nursing Student Handbook.

Nursing program policy requires a minimum grade of C in science courses (Anatomy and Physiology 1 and 2, Microbiology, and Pathophysiology) only one retake of each science course is allowed to achieve the grade of C.

MATH2200 Statistics must be successfully completed with a grade of C or higher prior to the scheduled NURS4515 Research and Evidence-Based Practice in nursing course.

A minimum grade of C+ (77) must be achieved in all nursing courses to progress to the next level.

NOTE: Admission to the courses in the third year of the nursing program is determined through a selective admissions process. See admissions information for further details.

Withdrawal from a nursing course at any time is considered a separation from the nursing program. Only one readmission into the nursing program after course failure or separation is allowed. Please the Nursing Student Handbook for details of this policy.

Nursing students are required to complete a scheduled on-site live review course prior to taking the NCLEX-RN licensing exam.

Students are required to maintain his/her own copy of the Student Health Records and other important documents. Clinical sites require proof of student health and immunization status. This information is provided to affiliation offices before clinical clearance is granted. If this information is not available to the clinical site, the student would be dismissed from the nursing program.

If at any time the nursing faculty determines that a student's physical or mental ability may interfere with safe clinical performance, the student will be removed from the clinical area and referred to Student Health Services for assessment and clearance to return.

Bachelor of Science in Nursing (RN to BSN)

The RN to BSN program is for registered nurses seeking a bachelor's degree in nursing. To apply, each student must have passed the NCLEX exam and earned at least a 2.0 in their ASN or diploma coursework.

Post Licensure Bachelor of Science in Nursing (RN to BSN)

The RN to BSN program has been designed to be flexible and relevant for the working nurse. A Bachelor of Science in Nursing opens new opportunities in employment for nurses who have previously graduated with an ASN or diploma in nursing, as the baccalaureate degree has become a minimum education standard for nurses in several practice settings.

This program offers a broad knowledge base for contemporary nursing practice and includes non-traditional practice experiences. The curriculum is designed to focus on the synthesis and application of knowledge and research from nursing, social and natural sciences, as well as the humanities. During the course of study, students will apply knowledge and skills through a variety of modalities. A professional portfolio will be completed by the end of program for each student's use in showcasing their strengths and proficiency in their BSN coursework, in accordance with the Nurse of the Future's Core Competencies.

Admission to this program requires a valid unencumbered Massachusetts RN license.

The RN to BSN program is accredited by Accreditation Commission for Education in Nursing, Inc. (ACEN).

Contact Information:	Accreditation Commission for Education in Nursing, Inc. (ACEN)
	3343 Peachtree Road, NE, Suite 850
	Atlanta, GA 30326
	404.975.5000

Semester One		<i>Credit Hours</i>
NURS1200	The Nurse as a Scholar and a Clinician	3
NURS3001	Foundations of Baccalaureate Practice	3
MATH2200	Statistics	3
CORE1500	Managing Change and Navigating Unstructured Problems	3
Semester Total:		12
Semester Two		<i>Credit Hours</i>
NURS3105	Pathophysiology	3
NURS4505	Nursing Informatics and Patient Care Technology	3
CORE3100	Developing an Entrepreneurial Mindset	3
	Open Elective	3
Semester Total:		12
Semester Three		<i>Credit Hours</i>
NURS3003	Pharmacokinetics in Nursing Practice	3
NURS4002	Community Health Nursing	3
NURS2103	Health Assessment and Promotion Across the Lifespan	3
SOCI1001	Sociology	3
	Open Elective	3
Semester Total:		15
Semester Four		<i>Credit Hours</i>
NURS4515	Research and Evidenced Based Practice in Nursing	3
PHIL3300	Medical Ethics	3
HUMN3100	Intercultural Communication	3
EXSC3105	Nutrition	3
Semester Total:		12
Total Credits for Associate Degree		69
Total Credits for RN to BSN		51
Total Credits for Degree		120

Students must take the pre and co-requisite courses according to or in advance of the published curriculum plan. RN to BSN students must pass all nursing courses with a minimum of a C+ (77) or above. All non-nursing courses require a minimum of a C pass grade.

Admission Requirements

Students seeking admission to the RN to BSN program must have:

- Completion of an Associate Degree in Nursing Science (ASN) degree at Becker College or a regionally accredited institution of higher education (e.g. NEASC). Diploma prepared RNs who have graduated from an accredited institution but who do not possess an ASN degree will have their academic credits evaluated and be given a plan of study and must have evidence of nursing practice for the last three years.
- A 2.0 GPA.
- A current unencumbered Massachusetts registered nursing license.

Minors

A minor is a grouping of 6 or more courses, totaling 18 to 21 credits, of which a maximum of 9 credits have 2000-level course designations, and the remainder are at the 3000 or 4000 level. A minor may be similar to, and named for, an existing major such as criminal justice. Or, it may be a special, interdisciplinary grouping such as comparative psychology. The department(s) offering the minor determines which courses are required and any course options. Once a minor is established within a department or departments, it will be listed, along with the requirements of the minor, on the web page for that program or programs. An up-to-date list of minors can be found by visiting the Becker website. Students may also work with a faculty member to create their own minor; student-created minors must be approved by the Dean of the appropriate School.

Undecided

Students who may be undecided about their career goals upon entering Becker College may declare for an “Undecided” major for the first academic year. These students will take part in Becker’s Exploratory First Year course sequence, designed to help them research fields of study and select a major that is right for them. Students are encouraged to work closely with their advisors to be sure they take courses which will assist in their decision making process.

Exploratory First Year course sequence

<i>Fall Semester</i>		<i>Credits</i>	<i>Spring Semester</i>		<i>Credits</i>
CORE1001	Managing Transitions: Change as a Norm	3	CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
	Math elective	3		Humanities/Fine Arts elective	3
	Explore Survey Option	3		Explore Survey Option	3
	Explore Survey Option	3	PSYC 1001	Introduction to Psychology	3
IDST 1001	Academic and Career Exploration I	3	IDST 1002	Academic and Career Exploration II	3
		15			15
				Total Credits:	30

School of Graduate & Professional Studies

Becker College's School of Graduate and Professional Studies undergraduate programs offers adult students degree options in a format which is easily integrated into their busy schedule. Most courses are offered in the five week format; although some more technical or science based classes will be seven or fifteen weeks in length. Classroom based courses formally meet one evening per week and online courses run in an asynchronous format. Professional Studies offers both Associate and Bachelor degrees, as well as certificates.

Students may apply for admission into the program throughout the year. Contact the School of Graduate & Professional Studies at 508.373.9500 to speak to an admissions counselor.

Undergraduate Office of Administrative Services – School of Graduate and Professional Studies

School of Graduate and Professional Studies Expenses - Undergraduate

Tuition charge through Summer 2018

Tuition (per credit charge).....\$430

Tuition charge Fall 2018 – Spring 2019

Tuition (per credit charge).....\$430

Health Insurance* – \$2,285

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

School of Graduate and Professional Studies Scholarships and Grants - Undergraduate

Early Childhood Educators Scholarship

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

Paraprofessional Teacher Preparation Grant

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

Associate of Science in Business Administration

Upon completion of the A.S. degree, students may elect to continue in Becker's B.S. in Business Administration.

Business Core (27 credits)

		<i>Credit Hours</i>
ACCT2100	Accounting & Finance I – Concepts and Tools	3
ACCT3100	Accounting & Finance II – Financial Decision Making	3
MGMT1000	Introduction to Business Models	3
MGMT2400	Innovating Value and Supply Chains	3
MGMT3700	Business Law and Ethics	3
MKTG2004	Marketing I – Creating Marketing, Branding and Sales Strategies	3
MGMT1805	Introduction to Project Management	3
MGMT2500	Small Business Management	3
ECON1200	Global Economics: Micro and Macro Perspectives	3

General Education (22 credits)

		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
ENGL1003	Writing About Literature	3
MATH2101	Applied Business Statistics	3
PSYC1001	Introduction to Psychology	3
	Humanities/Fine Arts Elective	3
	Science Elective with Lab	4

Electives (12 credits)

2 Business Electives	6
2 Open Electives	6
Total Credits	61

Associate of Science in Early Childhood Education

The Early Childhood Education program at Becker is designed to maximize your future, career and academic options in your chosen field of education. The program will prepare you as an Early Education and Care approved teacher of infants, toddlers and preschoolers in an early childhood center upon graduation. As a graduate, you will be capable of planning and executing age-appropriate curriculum activities, and demonstrating sound child development principles.

The liberal arts courses in the program increase individual knowledge and self-concepts as well as transferability to a four-year college program in such related majors as elementary education, special needs education, child health work, child psychology and human services. For practical teaching experience, Becker uses over 20 centers with excellent and diverse programs.

Upon completion of the A.S. degree, students may elect to continue in Becker's B.A. in Early Childhood & Youth Education or Psychology degree.

Education Core (36 credits)

	<i>Credit Hours</i>
EDUC1001 Behavior & the Young Child	3
EDUC1004 Experiences in ECE Curriculum	3
EDUC1010 Introduction to Early Childhood Education	3
EDUC1201 Arts in Education	3
EDUC2004 Administrating & Evaluating Programs Serving Children & Youth	3
EDUC2203 Diverse Learner in the Classroom	3
EDUC2405 Observing, Documenting and Assessing Young Children	3
EDUC2500 Practicum in Early Childhood Education	6
PSYC1002 Developmental Child Psychology	3
PSYC2105 Social Psychology	3
PSYC2203 Understanding Diversity	3

General Education (22 credits)

	<i>Credit Hours</i>
CORE1500 Managing Change and Navigating Unstructured Problems	3
CORE-ENGL The New Normal: Exploring Unstructured Problems	3
ENGL1003 Writing About Literature	3
Math Elective	3
PSYC1001 Introduction to Psychology	3
ENGL1006 Children's Literature	3
Science Elective with Lab	4

Electives (3 credits)

Open Elective	3
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Total Credits 61

Associate of Science in Law and Criminal Justice

Upon completion of the A.S. degree, students may elect to continue in Becker's B.S. in Legal Studies or B.S. in Criminal Justice degree.

Program Core (21 credits)

	<i>Credit Hours</i>
GOVT1108 American Government	3
JUST1100 Criminal Justice Systems and Process	3
JUST3200 Criminal Procedure and Evidence	3
LGLS1100 Introduction to Law	3
LGLS1102 Criminal Law	3
LGLS3200 Topics in Law and Society	3
SOCI1001 Introduction to Sociology	3

General Education (22 credits)

	<i>Credit Hours</i>
CORE1500 Managing Change and Navigating Unstructured Problems	3
CORE-ENGL The New Normal: Exploring Unstructured Problems	3
ENGL1003 Writing About Literature	3
Math Elective	3
PSYC1001 Introduction to Psychology	3
Humanities/Fine Arts Elective	3
Science Elective with Lab	4

Electives (18 credits)

4 Open Elective	12
2 LGLS or JUST Electives	6

Total Credits 61

Associate of Science in Liberal Arts

Upon completion of the A.S. degree, students may elect to continue in Becker's B.S. in Liberal Arts.

Program Requirements (21 credits)

	<i>Credit Hours</i>
GOVT1108 American Government OR	3
GOVT1109 State and Local Government	
ENGL2102 Advanced Composition	3
ENGL2003 Public Speaking	3
ARTS Elective OR PHIL Elective	3
HUMN Elective 1000+	3
HUMN Elective 2000+	3
HIST Elective	3

General Education (22 credits)

		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
ENGL1003	Writing About Literature	3
	Math Elective	3
PSYC1001	Introduction to Psychology	3
SOCI1001	Introduction to Sociology	3
	Science Elective with Lab	4

Electives (18 credits)

6 Open Elective	18
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Total Credits 61

Bachelor of Arts in Early Childhood and Youth Education

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

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

Education Core (39 credits)

		<i>Credit Hours</i>
EDUC1001	Behavior and the Young Child	3
EDUC1004	Experiences in ECE Curriculum	3
EDUC1010	Introduction to Early Childhood Education	3
EDUC1201	Arts in Education	3
EDUC2004	Administering and Evaluating Quality Programs for Young Children and Youth	3
EDUC2203	Diverse Learners in the Classroom	3
EDUC2405	Observing, Documenting and Assessing Children	3
EDUC2500	Practicum I	6
EDUC3101	Foundations of Literacy	3
EDUC3203	Math, Science and Technology for Young Children	3
EDUC3500	Practicum II OR	6
EDUC 3901	Education Internship	

Additional Program Requirements (12 credits)

		<i>Credit Hours</i>
ENGL1006	Children's Literature	3
ENGL2003	Public Speaking	3
PSYC1002	Developmental Child Psychology	3
PSYC3200	Psychology of Family	3

General Education (40 credits)

		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE3100	Developing an Entrepreneurial Mindset	3
SOCI1001	Introduction to Sociology	3
ENGL1003	Writing About Literature	3
SOCI2400	Social Problems	3
PSYC2105	Social Psychology	3
PSYC1001	Introduction to Psychology	3
PSYC3400	Abnormal Psychology	3
ENGL2102	Advanced Composition	3
	Humanities/Fine Arts Elective	3
	Math Elective	3
	Science Elective with Lab	4

Electives (30 credits)

	<i>Credit Hours</i>
10 Open Electives	30

Total Credits 121

Bachelor of Arts in Liberal Arts

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

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

Program Requirements**English Courses (21 credits)**

		<i>Credit Hours</i>
ENGL1003	Writing About Literature	3
ENGL2102	Advanced Composition	3
ENGL2003	Public Speaking	3
LIBA4100	Senior Seminar in Liberal Arts	3
	ENGL Elective 2000+ (2)	6
	ENGL Elective 3000+ (1)	3

Humanities Courses (27 credits)

	<i>Credit Hours</i>
ARTS Elective (1)	3
PHIL Elective (2)	6
HUMN Elective 1000+ (1)	3
HUMN Elective 2000+ (3)	9
HIST Elective (2)	6

Social Science Courses (15 credits)

	<i>Credit Hours</i>
GOVT1108 American Government OR	3
GOVT1109 State and Local Government	
SOCI1001 Introduction to Sociology	3
PSYC1001 Introduction to Psychology	3
SOCI Elective 2000+ (1)	3
PSYC Elective 3000+ (1)	3

Science and Math Courses (7 credits)

	<i>Credit Hours</i>
Lab Science Elective (1)	4
Math Elective	3

CORE (9 credits)

	<i>Credit Hours</i>
CORE1500 Managing Change & Navigating Unstructured Problems	3
CORE-ENGL The New Normal: Exploring Unstructured Problems	3
CORE3100 Developing an Entrepreneurial Mindset	3

Electives (42 credits)

	<i>Credit Hours</i>
Open Electives	36
General Education Elective 2000+ (2)	6

Total Credits 121

Bachelor of Arts in Psychology

The Psychology program provides students with broad exposure to various subfields within the discipline and allows for a concentration in Mental Health Counseling, Applied Behavior Analysis, Addictions Counseling, or Pre-Med/Health Sciences.

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

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

Psychology Core (31 credits)

	<i>Credit Hours</i>
PSYC1002 Developmental Child Psychology OR	3
PSYC1107 Human Growth and Development	3
PSYC2001 Psychology of Adjustment	3
PSYC2002 Psychology of Personality	3
PSYC2014 Writing for Psychology	3
PSYC2105 Social Psychology	3
PSYC2107 Experimental Psychology	3
PSYC2603 Brain and Behavior	3
PSYC3400 Abnormal Psychology	3
PSYC4005 Research Methods in Behavioral Sciences with Lab	4
PSYC4600 Senior Seminar in Psychology	3

General Education (41 credits)

	<i>Credit Hours</i>
CORE1500 Managing Change and Navigating Unstructured Problems	3
CORE- ENGL The New Normal: Exploring Unstructured Problems	3
CORE3100 Developing an Entrepreneurial Mindset	3
ENGL1003 Writing About Literature	3
SOCI1001 Introduction to Sociology	3
PSYC1001 Introduction to Psychology	3
MATH2200 Statistics	3
Health Elective	3
Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3
Science Elective with Lab (BIOL2503 is recommended)	4
Science Elective with Lab (BIOL2504 is recommended)	4
General Education Elective (ENGL2003 is recommended)	3

Electives (48 credits)

	<i>Credit Hours</i>
9 Open Electives	27
7 PSYC Electives	21

Total Credits 120

Bachelor of Arts in Psychology – Addictions Counseling Concentration

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

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

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

Psychology Core (31 credits)

		<i>Credit Hours</i>
PSYC1002	Developmental Child Psychology OR	3
PSYC1107	Human Growth and Development	3
PSYC2001	Psychology of Adjustment	3
PSYC2002	Psychology of Personality	3
PSYC2014	Writing for Psychology	3
PSYC2105	Social Psychology	3
PSYC2107	Experimental Psychology	3
PSYC2603	Brain and Behavior	3
PSYC3400	Abnormal Psychology	3
PSYC4005	Research Methods in Behavioral Sciences with Lab	4
PSYC4600	Senior Seminar in Psychology	3

Addictions Counseling Concentration (21 credits)

		<i>Credit Hours</i>
EXSC3205	Drugs and Society	3
PSYC2303	Psychopharmacology for Counselors	3
PSYC3300	Addictions Counseling	3
PSYC3301	The 12 Core Functions of the Substance Abuse Counselor	3
PSYC3305	Group Counseling	3
PSYC4903	Practicum in Addictions Counseling	6

General Education (41 credits)

		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE3100	Developing an Entrepreneurial Mindset	3
SOCI1001	Introduction to Sociology	3
ENGL1003	Writing About Literature	3
SOCI2400	Social Problems	3
MATH2200	Statistics	3
PSYC1001	Introduction to Psychology	3
	General Education Elective (ENGL2003 is recommended)	3
	Humanities/Fine Arts Elective	3
	Humanities/Fine Arts Elective	3
	Science Elective with Lab (BIOL2503 is recommended)	4
	Science Elective with Lab (BIOL2504 is recommended)	4

Electives (27 credits)

	<i>Credit Hours</i>
9 Open Electives	27

Total Credits 120

Bachelor of Arts in Psychology – Applied Behavior Analysis Concentration (non-licensure)

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

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

Psychology Core (31 credits)

	<i>Credit Hours</i>
PSYC1002 Developmental Child Psychology OR	3
PSYC1107 Human Growth and Development	
PSYC2001 Psychology of Adjustment	3
PSYC2002 Psychology of Personality	3
PSYC2014 Writing for Psychology	3
PSYC2105 Social Psychology	3
PSYC2107 Experimental Psychology	3
PSYC2603 Brain and Behavior	3
PSYC3400 Abnormal Psychology	3
PSYC4005 Research Methods in Behavioral Sciences with Lab	4
PSYC4600 Senior Seminar in Psychology	3

Applied Behavior Analysis Concentration (33 credits)

	<i>Credit Hours</i>
PSYC1013 Practicum in Applied Behavior Analysis	6
PSYC2013 Practicum in Applied Behavior Analysis	6
PSYC2705 Concepts and Principles in Applied Behavior Analysis	3
PSYC2710 Assessment and Measurement in Behavior Analysis	3
PSYC3013 Practicum in Applied Behavior Analysis	6
PSYC3705 Beginning Strategies for Changing Behavior	3
PSYC3710 Advanced Strategies for Changing Behavior	3
PSYC4306 Counseling Theory and Practice	3

General Education (41 credits)

	<i>Credit Hours</i>
CORE1500 Managing Change and Navigating Unstructured Problems	3
CORE- ENGL The New Normal: Exploring Unstructured Problems	3
CORE3100 Developing an Entrepreneurial Mindset	3
ENGL1006 Children's Literature	3
ENGL1003 Writing About Literature	3
SOCI1001 Introduction to Sociology	3
MATH2200 Statistics	3
Psychology Elective	3

Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3
Science Elective with Lab (BIOL2503 is recommended)	4
Science Elective with Lab (BIOL2504 is recommended)	4
General Education Elective (ENGL2003 is recommended)	3
Total Credits	120

Bachelor of Arts in Psychology – Health & Human Services Concentration

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

Psychology Core (31 credits)

		<i>Credit Hours</i>
PSYC1002	Developmental Child Psychology OR	3
PSYC1107	Human Growth and Development	3
PSYC2001	Psychology of Adjustment	3
PSYC2002	Psychology of Personality	3
PSYC2014	Writing for Psychology	3
PSYC2105	Social Psychology	3
PSYC2107	Experimental Psychology	3
PSYC2603	Brain and Behavior	3
PSYC3400	Abnormal Psychology	3
PSYC4005	Research Methods in Behavioral Sciences with Lab	4
PSYC4600	Senior Seminar in Psychology	3

Health & Human Services Concentration (15 credits)

		<i>Credit Hours</i>
PHIL3300	Medical Ethics	3
PSYC2303	Psychopharmacology for Counselors	3
PSYC3100	Cognitive Psychology	3
PSYC3305	Group Counseling	3
PSYC4306	Counseling Theory and Practice	3

General Education (40 credits)

		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing About Literature	3
ENGL2003	Public Speaking	3
HUMN2103	Global Citizenship and Community Engagement	3
	Science Elective with Lab	4

MATH2200	Statistics	3
PSYC1001	Introduction to Psychology	3
SOCI1001	Introduction to Sociology	3
EXSC2203	Personal and Community Health	3
SOCI2400	Social Problems	3
JUST2204	Victimology & Victim Services	3
Electives (36 credits)		
		<i>Credit Hours</i>
4 Psychology Electives		12
8 Open Electives		24
Total Credits		122

Bachelor of Science in Business Administration (On Campus & Online)

Whether specializing in finance or retail, hospitality or health care, sports or information technology, companies need professionals who have superior analytical and management capabilities, and a talent for motivating others in achieving established goals. To develop those skills you need to start with a well-rounded business education.

The business administration program at Becker College prepares students planning to pursue leadership roles in the business world. Its core curriculum is designed to help you build a strong foundation in accounting, economics, information systems, management and marketing. Upper-level coursework in marketing and management will broaden that knowledge base.

You'll also have opportunities to participate in a range of open and business elective courses, as well as a career internship experience in your senior year. Guiding you along your path will be faculty members and advisors who are committed to helping you prepare for your business career.

Business Core (33 credits)		
		<i>Credit Hours</i>
ACCT2100	Accounting and Finance I – Concepts and Tools	3
ACCT3100	Accounting and Finance II – Financial Decision Making	3
INFO3300	Business Analytics	3
MGMT1000	Introduction to Business Models	3
MGMT2400	Supply Chains and Innovations	3
MGMT3700	Business Law and Ethics	3
MGMT4003	Developing Business Leadership	3
MGMT4100	Business Policy and Strategy	3
MKTG2004	Marketing I – Creating Marketing, Branding and Sales Strategies	3
MKTG3001	Marketing Management	3
MKTG3004	Marketing II – Analyzing Marketing, Branding and Sales Strategies	3
General Education (40 credits)		
		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3

CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE3100	Developing an Entrepreneurial Mindset	3
MATH2101	Applied Business Statistics	3
ENGL1003	Writing About Literature	3
ECON1200	Global Economics: Micro and Macro Perspectives	3
PSYC1001	Introduction to Psychology	3
	Humanities/Fine Arts Elective	3
	Humanities/Fine Arts Elective	3
	Science Elective with Lab	4
	General Education Elective	3
	General Education Elective	3
	General Education Elective	3

Electives (48 credits)

	<i>Credit Hours</i>
9 Open Electives	27
Business Electives 2000+ Level (4)	12
Business Electives 3000+ (3)	9

Total Program Credits: 121

Bachelor of Science in Business Administration – Management Concentration (On Campus & Online)

Any business or organization, no matter its size, thrives best when employees are highly functional and operate efficiently. This requires effective managers, who provide the oversight, guidance, and leadership needed to inspire others to do their best. Management positions exist at all levels within an organization—in administration, marketing, finance, human resources, sales, and more.

The Becker College management concentration in the business administration program help students develop effective communication, planning, and problem-solving skills, as well as expertise in project and team management. Students learn how organizations formulate strategies, set goals and objectives, implement plans, and measure results. Instruction on how to manage projects and teams, market products and services, prepare accounting and financial statements, and evaluate a company's financial health is also provided. The management concentration also offers a variety of elective courses and a senior-year career internship experience.

Business Core (33 credits)

		<i>Credit Hours</i>
ACCT2100	Accounting and Finance I – Concepts and Tools	3
ACCT3100	Accounting and Finance II – Financial Decision Making	3
INFO3300	Business Analytics	3
MGMT1000	Introduction to Business Models	3
MGMT2400	Supply Chains and Innovations	3
MGMT3700	Business Law and Ethics	3
MGMT4003	Developing Business Leadership	3
MGMT4100	Business Policy and Strategy	3
MKTG2004	Marketing I – Creating Marketing, Branding and Sales Strategies	3
MKTG3001	Marketing Management	3

MKTG3004	Marketing II – Analyzing Marketing, Branding and Sales Strategies	3
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Management Concentration (15 credits)

		<i>Credit Hours</i>
MGMT3205	Organizational Behavior	3
MGMT3400	Human Resource Management	3
MGMT3800	Management Information Systems	3
MGMT3890	Managing Diversity in the Changing Workplace	3
MGMT3960	Budget and Performance Measurement	3

General Education (40 credits)

		Credit Hours
CORE1500	Managing Change and Navigating Unstructured Problems	3
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE3100	Developing an Entrepreneurial Mindset	3
ECON1200	Global Economics: Micro and Macro Perspectives	3
ENGL1003	Writing About Literature	3
MATH2102	Applied Business Statistics	3
PSYC1001	Introduction to Psychology	3
	Humanities/Fine Arts Elective	3
	Humanities/Fine Arts Elective	3
	Science Elective with Lab	4
	General Education Elective	3
	General Education Elective	3
	General Education Elective	3

Electives (33 credits)

	<i>Credit Hours</i>
9 Open Electives	27
Business Elective 2000+ (2)	6

Total Credits: 121

Bachelor of Science in Criminal Justice (On Campus & Online)

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

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

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

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

Criminal Justice Core (24 credits)

	<i>Credit Hours</i>
JUST1100 Criminal Justice System and Process	3
JUST1300 Theories of Crime	3
JUST2202 Crisis Intervention in Criminal Justice	3
JUST2204 Victimology & Victim Services	3
JUST2203 Corrections, Systems & Process	3
JUST2207 Police and the Community	3
JUST3200 Criminal Procedure and Evidence	3
JUST4505 Ethics and Professionalism in Criminal Justice	3

Additional Program Requirements (12 credits)

	<i>Credit Hours</i>
LGLS1102 Criminal Law	3
LGLS3200 Topics in Law and Society	3
SOCI3200 Deviance and Social Control	3
SOCI4001 Data Analysis	3

General Education (40 credits)

	<i>Credit Hours</i>
CORE1500 Managing Change and Navigating Unstructured Problems	3
CORE-ENGL The New Normal: Exploring Unstructured Problems	3
CORE3100 Developing an Entrepreneurial Mindset	3
ENGL1003 Writing about Literature	3
SOCI2001 Criminology	3
SOCI1001 Introduction to Sociology	3
PSYC1001 Introduction to Psychology	3
GOVT1108 American Government	3
GOVT4100 American Constitutional Law	3
Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3
Math Elective	3
Science Elective with Lab	4

Electives (45 credits)

	<i>Credit Hours</i>
10 LGLS or JUST Electives	30
5 Open Electives	15

Total Credits 121

* Students may opt to take any of the following courses in place of up to three Criminal Justice Electives:

- JUST 3700 Criminal Justice Practical Experience
- JUST 3705 Field Experience
- JUST 3900 Criminal Justice Internship
- JUST 3901 Law Enforcement Internship

Bachelor of Science in Criminal Justice, Concentration in Homeland Security (On Campus & Online)

The Becker College Homeland Security Concentration studies program will produce graduates prepared for careers in law enforcement, firefighting, government, law, emergency response and management, and research. Courses in this concentration focus on an in-depth understanding of motivations and trends, threat assessment, information security, leadership, public policy planning, preparedness and response. Students receive interdisciplinary training in advanced research into causes and management techniques, learning a wide range of skills necessary to anticipate, understand, and deal with incidents of terrorism. Courses in U.S. history and constitutional law and policy are also provided to prepare students for dealing with domestic threats.

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

Program Core (36 credits)

		<i>Credit Hours</i>
JUST1100	Criminal Justice System and Process	3
JUST1200	Introduction to Homeland Security	3
JUST1300	Theories of Crime	3
JUST2204	Victimology & Victim Services	3
JUST2805	Evolution of Terrorism	3
JUST2810	Intelligence in Homeland Security	3
JUST2815	Physical Security and Critical Infrastructure	3
JUST3100	Threat Assessment & Management	3
JUST3200	Criminal Procedure and Evidence	3
JUST3305	Cyber Crime	3
JUST4505	Ethics and Professionalism in Criminal Justice	3
LGLS1102	Criminal Law	3

Additional Program Requirements (15 credits)

		<i>Credit Hours</i>
CPTR2800	Information Security and IT Fundamentals	3
FORE2400	Forensic Psychology	3
PSYC2105	Social Psychology OR	3
PSYC3400	Abnormal Psychology	
SOCI3200	Deviance and Social Control	3
SOCI4001	Data Analysis	3

General Education (40 credits)

		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE3100	Developing an Entrepreneurial Mindset	3
ENGL1003	Writing about Literature	3
SOCI2001	Criminology	3
SOCI1001	Introduction to Sociology	3
PSYC1001	Introduction to Psychology	3

GOVT1108	American Government	3
GOVT4100	American Constitutional Law	3
	Humanities/Fine Arts Elective	3
	Humanities/Fine Arts Elective	3
	Math Elective	3
	Science Elective with Lab	4

Electives (30 credits)

	<i>Credit Hours</i>
5 LGLS or JUST Electives	15
5 Open Electives	15

Total Credits 121

Bachelor of Science in Forensic Science, Concentration in Forensic Psychology

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

Psychology Core (49 credits)

		<i>Credit Hours</i>
EXSC3205	Drugs and Society	3
FORE2001	Introduction to Forensics	4
JUST1100	Criminal Justice System & Process	3
JUST1300	Theories of Crime	3
JUST2204	Victimology & Victim Services	3
LGLS1102	Criminal Law	3
PSYC1001	Introduction to Psychology	3
PSYC1002	Developmental Child Psychology OR	3
PSYC1107	Human Growth and Development	
PSYC2001	Psychology of Adjustment	3
PSYC2002	Psychology of Personality	3
PSYC2105	Social Psychology	3
FORE2400	Forensic Psychology	3
FORE2405	Correctional Psychology	3
PSYC2603	Brain and Behavior	3
PSYC3400	Abnormal Psychology	3
FORE4400	Criminal Minds	3

General Education (41 credits)

		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3

CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE3100	Developing an Entrepreneurial Mindset	3
SOCI1001	Introduction to Sociology	3
ENGL1003	Writing About Literature	3
SOCI2400	Social Problems	3
SOCI3200	Deviance & Social Control	3
BIOL1001	Biology I OR	4
BIOL2503	Anatomy & Physiology	
	Humanities/Fine Arts Elective	3
	Humanities/Fine Arts Elective	3
	General Education Elective	3
	Math Elective	3
	Science Elective with Lab	4

Electives (30 credits)

	<i>Credit Hours</i>
3 Open Electives	9
2 FORE/PSYC Electives	6
5 PSYC/JUST Electives	15

Total Credits **120**

Bachelor of Science in Integrated Studies

The program in Integrated Studies offers students two flexible advisory paths towards degree completion: students may combine two minors with other required coursework, or combine credits from four different disciplines, in order to craft a specialized degree reflecting their areas of interest. and students who are interested in exploring multiple areas of study during their time at Becker College. While Becker has an excellent program in Liberal Arts, this new program in Liberal Studies will differ by including additional courses in the Sciences, Math/Business/Design, and Social/Behavioral Sciences, as well as by culminating in a Bachelor of Science degree.

Students work on a capstone project, which will serve as the culmination of their individualized integrated studies. Students will research and write about a topic which illustrates the relationships of meaning, interaction, and interpretation within their emphasis or multiple areas of study.

Program Core Requirements (6 credits)

	<i>Credit Hours</i>
INTG1001 Fundamentals of Integrated Studies	3
INTG4900 Senior Seminar in Integrated Studies	3

Additional Program Requirements (48 credits)

	<i>Credit Hours</i>
Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3
Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3

Behavioral/Social Science Elective	3
Business/Math/Design Elective	3
Business/Math/Design Elective	3
Business/Math/Design Elective	3
Business/Math/Design Elective	3
Science Electives – may be lab or non-lab sciences, totaling	12

General Education Courses (40 credits)

	<i>Credit Hours</i>
CORE1500 Managing Change & Navigating Unstructured Problems	3
CORE- ENGL The New Normal: Exploring Unstructured Problems	3
CORE3100 Developing an Entrepreneurial Mindset	3
ENGL1003 Writing about Literature	3
Math Elective	3
Science Elective with Lab	4
Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3
Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3

Electives (27 credits)

	<i>Credit Hours</i>
9 Open Electives	27

Total Credits 121**Bachelor of Science in Integrated Studies—option 2 (students must declare two minors)****Program Core Requirements (6 credits)**

	<i>Credit Hours</i>
INTG1001 Fundamentals of Integrated Studies	3
INTG4900 Senior Seminar in Integrated Studies	3

General Education Courses (40 credits)

	<i>Credit Hours</i>
CORE1500 Managing Change & Navigating Unstructured Problems	3
CORE- ENGL The New Normal: Exploring Unstructured Problems	3
CORE3100 Developing an Entrepreneurial Mindset	3
ENGL1003 Writing about Literature	3
Math Elective	3
Science Elective with Lab	4
Humanities/Fine Arts Elective	3
Humanities/Fine Arts Elective	3
Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3

Behavioral/Social Science Elective	3
Behavioral/Social Science Elective	3
Minors (36 Credits)	
Minor 1 Courses	18
Minor 2 Courses	18
NOTE: For minors requiring more than 18 credits, additional requirements will use open elective slots	
Electives (39 credits)	
	<i>Credit Hours</i>
13 Open Electives	39

Total Credits 121

Bachelor of Science in Legal Studies (On Campus & Online)

The Legal Studies major is designed to make it possible for students from diverse backgrounds to enter the legal profession. Students will focus on the development of reading, writing, critical thinking, reasoning, analytical skills, and human experience. Students prepare for future studies related to a career in a legal setting, including work in a private practice or in large corporations, higher education, and administration. The skills developed in the classroom will provide students with options to continue their education in law school or for placement in law enforcement, legal and juvenile justice, victims' services, community-/institutional-based corrections areas, federal-, state-, and local-level criminal justice and administrative agencies, corrections, and public and private security. Open electives provide flexibility and allow students to explore individual interests.

Legal Studies Core (30 credits)

		<i>Credit Hours</i>
LGLS1100	Introduction to Law	3
LGLS1105	Litigation and the Court System	3
LGLS1207	Contracts and the UCC	3
LGLS1102	Criminal Law	3
LGLS2300	Legal Research and Writing	3
LGLS2305	Tort Law	3
LGLS2400	Technology and the Law	3
LGLS3001	Advanced Legal Writing and Analysis	3
LGLS3200	Topics in Law and Society	3
LGLS3292	Conflict Resolution	3

Additional Program Requirements (9 credits)

		<i>Credit Hours</i>
JUST3200	Criminal Procedure and Evidence	3
JUST4505	Ethics and Professionalism in CJ	3
SOCI4001	Data Analysis	3

General Education (40 credits)

		<i>Credit Hours</i>
CORE1500	Managing Change and Navigating Unstructured Problems	3
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3
CORE3100	Developing an Entrepreneurial Mindset	3

ENGL1003	Writing about Literature	3
PSYC1001	Introduction to Psychology	3
SOCI1001	Introduction to Sociology	3
GOVT1108	American Government	3
GOVT3001	Political Theory	3
GOVT4100	American Constitutional Law	3
	Math Elective	3
	Humanities/Fine Arts Elective	3
	Humanities/Fine Arts Elective	3
	Science Elective with Lab	4

Electives (42 credits)

	<i>Credit Hours</i>
8 LGLS or JUST or Open Electives	24
6 Open Electives	18

Total Credits 121

Bachelor of Science in Nursing (RN to BSN)

The RN to BSN program is for registered nurses seeking a bachelor's degree in nursing. There are academic, clinical, and physical/health requirements for entry into each program.

Post Licensure Bachelor of Science in Nursing (RN to BSN)

The RN to BSN program is an on-line program. The program offers a broad knowledge base for contemporary nursing practice. The curriculum is designed to focus on the synthesis and application of knowledge and research from nursing, social and natural sciences, and the humanities. During the course of study, students will apply knowledge and skills through a variety of modalities. The inclusion of nursing elective courses allows the student to increase their understanding of multiple nursing practice areas.

The program is offered in a format which allows students to work full-time if desired. Admission to this program requires a valid unencumbered Massachusetts RN license.

The RN to BSN program is accredited by Accreditation Commission for Education in Nursing, Inc. (ACEN).

Contact Information: **Accreditation Commission for Education in Nursing, Inc. (ACEN)**
 3343 Peachtree Road, NE, Suite 850
 Atlanta, GA 30326
 404.975.5000

Semester One

		Credit Hours
NURS1200	The Nurse as a Scholar and a Clinician	3
NURS3001	Foundations of Baccalaureate Practice	3
MATH2200	Statistics	3
CORE1500	Managing Change and Navigating Unstructured Problems	3
	Semester Total:	12

<u>Semester Two</u>		Credit Hours
NURS3105	Pathophysiology	3
NURS4505	Nursing Informatics and Patient Care Technology	3
CORE3100	Developing an Entrepreneurial Mindset	3
	Open Elective	3
Semester Total:		12

<u>Semester Three</u>		Credit Hours
NURS3303	Pharmacology	3
NURS4002	Community Health Nursing	3
NURS2103	Health Assessment and Promotion Across the Lifespan	3
SOCI1001	Introduction to Sociology	3
	Open Elective	3
Semester Total:		15

<u>Semester Four</u>		Credit Hours
NURS3100	Research and Evidence Based Practice in Nursing	3
PHIL3300	Medical Ethics	3
HUMN3100	Intercultural Communications	3
EXSC3105	Nutrition	3
Semester Total:		12

Total Credits for Associate Degree	69
Total Credits for RN to BSN	51
Total Credits for Degree	120

Certificate Programs

Certificate in Applied Behavior Analysis (non-licensure)

This certificate is designed to prepare students for a career in the field of Applied Behavior Analysis.

Successful completion of PSYC1001 Introduction to Psychology is required before completing this course sequence.

	Credit Hours
PSYC2705 Concepts & Principles in Applied Behavior Analysis	3
PSYC2710 Assessment and Measurement in Behavior Analysis	3
PSYC3705 Beginning Strategies for Changing Behavior	3
PSYC3710 Advanced Strategies for Changing Behavior	3
PSYC1013 Practicum in Applied Behavior Analysis (1)	6
PSYC2013 Practicum in Applied Behavior Analysis (2)	6
PSYC3013 Practicum in Applied Behavior Analysis (3)	6
Total Credits	30

Certificate in Alcohol and Drug Abuse Counseling

The alcoholism/drug abuse counseling certificate gives students the option to work as an addiction counselor in many types of treatment settings, including detoxification, residential programs, and out-patient programs. This certificate meets the MBSACC (Massachusetts Board of Substance Abuse Counselor Certification) educational requirements for the CADAC Level certification. Work experience is still needed.

		<i>Credit Hours</i>
PSYC1001	Introduction to Psychology	3
EXSC3205	Drugs & Society	3
PSYC3300	Addictions Counseling	3
PSYC2303	Psychopharmacology for Counselors	3
PSYC3301	The 12 Core Functions of the Substance Abuse Counselor	3
PSYC4903	Practicum in Addictions Counseling (300 Hours Supervised)	6
Total Credits		21

Prior Learning Assessment

Becker College is committed to the assessment of non-classroom learning through the development of a portfolio, which encompasses life experience and evaluation of professional training. Students can earn credits through the portfolio process, which is developed with the support of your advisor.

The maximum credits a student may earn varies by GPS program as follows:

- RN to BSN program: maximum 15 credits
- Business and Management programs: maximum 30 credits
- Liberal Arts, Integrated Studies, Psychology, and Education programs: maximum 30 credits
- Criminal Justice: not available

The Prior Learning Assessment Class

In order to open a portfolio, you will first register for and attend the following course:

IDST2300, Prior Learning Assessment

This course provides a structured series of activities designed to provide the student with a systematic approach to petition for credit for learning obtained outside a traditional classroom. This course will allow the student to investigate and reflect on past learning, academic accomplishments and experience. The self-reflection will harvest professional experience, academic success and individual achievements to apply and match up against currently defined learning outcomes. Students will learn to differentiate between experience, experiential learning, and learning by experience. They will analyze their personal knowledge, skills, and abilities and leverage them to develop portfolios. Students will develop and submit at least one portfolio for assessment.

Prior Learning Assessment Costs

Students seeking to earn 15 or fewer credits will register for and pay the tuition for the above three-credit course. The course runs for a full (15 week) semester. Students seeking to earn above 15 credits will sign up for an additional PLA three-credit course and pay the appropriate tuition for the additional course.

What Qualifies as Prior Learning?

In order to receive credit for prior learning, a student's learning experience may include:

- An instructional aspect within a classroom or online environment
- College-level content
- No duplication of courses taken before or after entering Becker College to fulfill credit requirements

Prior learning opportunities may include courses at nationally accredited institutions, training assessed by American Council of Education (ACE), and corporate workshops and training. Additionally, students may receive prior learning credits for significant work experience or military service. In order to receive credit, students must meet all requirements set forth in the PLA course.

Prior Learning Assessment Process

Students must first contact their advisor to express an interest in receiving credit for prior learning. With the advisor's help and input, the student will select the courses for which he or she plans to write. Available courses depend on the GPS program—while some programs allow students to write for required courses, others restrict the availability of PLA credit to electives or certain specific courses only. Each student's portfolio plan will need to be approved by the appropriate dean or his/her designee.

Upon enrolling in the PLA course, a student will write to demonstrate mastery of each of the courses or subjects for which the student is seeking to earn credit. Writing will reflect mastery of the student learning outcomes listed for each course to which the student is writing. Assessment of the student's portfolio will be provided by program faculty or the program director.

School of Graduate and Professional Studies

Becker College's School of Graduate and Professional Studies offers a Master of Arts in Mental Health Counseling and a Master of Fine Arts in Interactive Media.

Graduate Admissions – Master of Arts in Mental Health Counseling

Becker College's Division of Graduate Studies offers a Master of Arts in Mental Health Counseling. Courses are offered in a seven week format during the summers and a traditional 15 week format during the fall and spring semesters. The program offers a mix of classroom based courses and hybrid courses, which combine classroom based and online instruction. Classroom based courses meet on the Leicester campus and are typically scheduled in the late afternoons and evenings.

Admissions Process and Deadline

Our approach to the admissions process is holistic; we consider all that each applicant has to offer, rather than making decisions based on any single factor. Completed applications will be reviewed on a rolling, space-available basis beginning in mid-January. Applications are considered complete when the online application has been completed and submitted, and all required supporting documentation has been received. Students are encouraged to submit all required items in a timely manner as enrollment will be limited. The program follows a cohort model, with classes beginning in May.

The admissions application deadline is March 15. Applications received after this date will be reviewed subject to space availability in the program.

Admissions requirements include the following:

- Completion of the online application
- Official college transcript showing completion of a Bachelor's degree*
- Three letters of recommendation
- Personal Statements (see website for details)
- Dean of Students Certification Form
- TOEFL for applicants whose native language is not English (For more information on the TOEFL test, please visit the web site www.toefl.com.)

*Students who have not earned a Bachelor's degree at the time of application or acceptance must submit a final official college transcript showing proof of graduation before permitted to register for second summer session graduate courses (see course sequence).

Students admitted to the program have typically obtained a minimum cumulative GPA of 3.0 and have completed at least five undergraduate courses in Psychology or a related field with an earned grade of "C" or better. Preference is given to students who have taken:

- General (Introductory) Psychology
- Abnormal Psychology
- Research Methods and/or Experimental Psychology
- Statistics

Transfer Credits

Students wishing to transfer graduate credits earned at another institution will need to petition the Graduate Admissions Committee by submitting the syllabus for each potential transfer course and by submitting an official transcript documenting a grade of B or better in each course. Determination of transferability will be wholly at the discretion of the Graduate Admissions Committee. Students may transfer up to 12 graduate credits with approval by the Graduate Admissions Committee. These credits must have been earned within ten years prior to the date on which the Becker College graduate degree is officially conferred. A student who receives advanced credit is not exempt from any part of the practicum or internship requirements, Master's thesis or project.

Students wishing to transfer from the Becker College Master of Arts in Mental Health Counseling program may request copies of course syllabi and an official transcript from the Becker College Registrar. Administrative fees will apply. Courses in the Becker College Master of Arts in Mental Health Counseling program are designed to reflect CACREP standards and are thus expected to be fully transferrable to similarly accredited programs of study.

Once admitted into the program, students must obtain the permission of the Program Coordinator (on behalf of the Graduate Admissions Committee) and the Dean of the School of Humanities and Social Sciences or designee to take courses at another institution. A transfer of course credits may be granted if the following conditions are met:

- The student has taken an equivalent graduate course at another college or university within the past ten years and has passed the course with a grade of B or higher. It is the student's responsibility to demonstrate that a course taken elsewhere is, in fact, equivalent to the required Becker College course (i.e., course description, syllabus).
- The request for the transfer should be submitted directly to the Program Coordinator for consideration. If the student requests transfer of credits, written approval of the Program Coordinator and the Dean of the School of Humanities and Social Sciences or designee are required. In some cases, approval of the credit transfer may be dependent on the student's completion of additional reading or the submission of a paper or other materials to ensure competencies have been successfully met.
- Once approval for transfer of credits has been granted, an official transcript must be sent to the Registrar to complete the process of credit transfer. Candidates may apply to transfer a maximum of twelve graduate credits into their program if the above conditions are met.

Additional Requirements

All applicants for admission or transfer into the Becker College Master of Arts in Mental Health Counseling program must meet the following requirement:

- CORI and SORI Check

In view of the licensure eligibility requirements for Massachusetts, all students in the Becker College Master of Arts in Mental Health Counseling program must submit a Criminal Offenders Record Investigation (CORI) and Sex Offender Registry Information Act (SORI) check upon enrollment in the program. The CORI and SORI may be repeated annually throughout a student's enrollment in the program. Internship sites may require a submission of a separate CORI and/or SORI check upon acceptance to an internship program.

Any student whose CORI or SORI reflects conviction of certain offenses will be ineligible for placement at a clinical agency (including the Counselor Training Clinic at Becker College) and furthermore, may be prohibited from receiving a license to practice as a mental health counselor in Massachusetts, pending review by the Division of Professional Licensure. Therefore, if there is a finding of an offense when the CORI or SORI is completed, the student may be unable to participate in clinical assignments. Participation in planned clinical experiences throughout the curriculum is required; however, acceptance into the course or program does not guarantee placement in a clinical agency.

- Professional Malpractice/Liability Insurance

Graduate students enrolled in the Master of Arts in Mental Health Counseling program will be covered by a professional malpractice/liability insurance policy prior to internship placement and courses involving clinical experience. This is a requirement of the agencies and institutions that accept student trainees. This expense, as well as other fees related to the program, is included in the annual Comprehensive Fee for students enrolled in the Master of Arts in Mental Health Counseling program. Students may elect to purchase their own additional malpractice/liability insurance policy at their expense. The Massachusetts Mental Health Counselors Association (MaMHCA) offers low cost malpractice/liability insurance coverage for students who are MaMHCA members. For additional information, visit the MaMHCA website: <http://www.mamhca.org/>.

- Medical/Health Requirements

Internship sites and other clinical facilities may stipulate additional requirements for which medical documentation must be provided.

The Federal Center for Disease Control and the Massachusetts Department of Public Health define college health and immunization requirements. Students are not eligible for participation in counseling practicum, internship, or any course that include clinical practice without documentation of required health and immunization requirements (see below). The Student Health Record must be completed and submitted to Student Health Services prior to enrollment in these courses. Graduate students will not obtain clearance for classes, practicum or internship if the Student Health Record has not been completed and submitted.

- Massachusetts State Law requires that all health science students have a completed health form on file in the Student Health Office prior to the start of classes. Documentation of immunizations is also required including a tuberculosis evaluation in the form of PPD skin testing.
- Any change in medical/health status must be reported to Student Health Services. Medical documentation must be provided that clearly identifies student limitations/restrictions and their ability to participate in all program activities. Examples of change in health status may include but is not limited to the following: any physical injury that requires splint/brace/cast/sling, major illness, psychiatric instability, communicable disease, and pregnancy/delivery. Please notify Student Health Services for an individual consultation.
- Significant changes in health status may affect the student's ability to perform clinical functions. If determined that student or patient safety may be compromised, the student will be excluded from the clinical practicum and internship sites until cleared by their health care provider. Clinical agencies will be consulted, as needed, to determine if the student can participate in clinical assignments. The inability to participate in clinical assignments may delay completion of specific courses and/or the Master of Arts in Mental Health Counseling degree.

Student health records and immunization records may be uploaded through the Health Services portal on the Becker College website: <http://www.becker.edu/student-life/health-wellness/student-health-services>. All forms and immunization details must be uploaded to the portal by June 15.

Students are required to maintain their own copy of the Student Health Record and other requirements for their portfolio. Clinical sites may require proof of student health and immunization status.

If at any time the graduate program faculty determines that a student's physical or mental ability may interfere with safe clinical performance, the student will not be allowed to remain in the clinical practice area. The program coordinator will be notified and the future status of the student will be administratively determined.

Office of Administrative Services – Master of Arts in Mental Health Counseling (Offices of Financial Aid, Student Accounts, Registrar)

Graduate Program Expenses

Tuition (per credit charge).....	\$640
Comprehensive Fee (charged in Fall and Spring only).....	\$410/semester (Fall/Spring only)
Technology Fee (charged in Fall and Spring only).....	\$500/semester (Fall/Spring only)
Health Insurance.....	\$2,285 (may be waived)

A comprehensive list of charges can be found online.

Financial Policies

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

Application Fee

There is no application fee required with the completed application for admission.

Graduate Program Grants and Assistantships

Clements Grant

The Clements Grant is awarded to select Becker College graduate students for academic merit. The award was established in honor of Nancy Clements, MA, CCC-SLP, founder of the Social Thinking® Boston clinic. Beginning with the undergraduate Social Thinking® course she taught in 2013, Nancy's insights and contributions have been instrumental in the development of the specialty tracks within the Becker College Master of Arts in Mental Health Counseling program, as well as the clinical practicum and internship opportunities for Becker students.

The eligibility requirements for the Clements Grant are listed below, as well as the renewal criteria for the following Financial Aid Year.

Eligibility and Renewal Requirements:

- Students must be enrolled in the recommended course load for each term (fall and spring) in the MA in Mental Health Counseling Program. Approved transfer credits may be used to replace recommended course load credits.
- Students must obtain a passing grade in all classes.
- Students must maintain a GPA of 3.0 each Financial Aid Year.
- Students must complete 60 credits within the 2 year program. This may include up to 12 approved transfer credits.
- All financial obligations to Becker College must be paid in full before the start of the next Financial Aid Year.

- Students must not have any Becker College Code of Conduct Violations.

Graduate students are eligible to receive the following amounts each year:

- 2018-2019: \$4,000
- 2019-2020: \$4,000

The Quell Foundation Bridge the Gap Scholarship

The Quell Foundation Bridge the Gap Scholarship is awarded to select third or fourth year undergraduate students or graduate students pursuing a degree in psychology, social work or other fields of study related to the provision of mental health services. The award was established by the Quell Foundation's Project Access as a means of fulfilling its mission to increase the talent pipeline through scholarship awards to students entering the mental healthcare profession, expand delivery of needed mental health care services, and promote reformation to extend the scope of clinical behavioral health professional services.

Applications are sent to all graduate students accepted into the Becker College MA in MHC program. Graduate students already enrolled at Becker may obtain and submit an application through the Becker College Master of Arts in Mental Health Counseling program. Information about the scholarship and the application is also posted on Canvas each year. Awards will be made to those students who demonstrate a high level of scholarship in psychology or a related field and/or a history of employment and training that reflects a commitment to work in the mental health profession.

This important recognition is accompanied with:

- A one-year distribution of a \$1,000 to \$1,500 scholarship
- Opportunity to participate in the foundation's awareness events/activities
- An invitation to the annual Quell Foundation Masquerade Ball

Application deadline is typically around April 1. The Quell Foundation Bridge the Gap Scholarship will be awarded May 1st of the award year.

Eligibility and Renewal Requirements

The Quell Foundation Bridge the Gap Scholarship is a one-time, merit-based award. The student may reapply for additional years with preference given to prior scholarship recipients. Eligible students must meet the following minimum criteria:

- Student must be pursuing a degree in the mental health field that leads to licensure as a mental health practitioner.
- Student must be accepted into an accredited College or University.
- Student must be matriculated and maintain at least part-time enrollment in their program.
- Student must obtain a passing grade in all classes.
- Student must maintain a minimum GPA of 3.0 each Financial Aid Year.
- Award must be applied to degree granting institution before the start of the next financial aid year.
- Student will be asked to help facilitate showing of the Foundation's Lift the Mask documentary on their college campus and encouraged to participate in community awareness events/activities.
- All financial obligations to the degree granting institution must be paid in full before the start of the next Financial Aid Year.

- Award recipients must adhere to all behavioral, professional and ethical guidelines set forth by the educational institution.
- Award recipients must demonstrate an understanding and commitment to The Quell Foundation's Mission.
- Following award notification, recipients will be asked to submit a headshot and 20 second thank-you video clip, which the foundation will share with our generous donors.

Haberman-Williams Massachusetts MaMHCA Scholarship.

This scholarship fund was established in 2010 by the Massachusetts Mental Health Counselor Association (MaMHCA) and is named in the honor of two people who have played integral roles in the development and success of Licensed Mental Health Counselors in Massachusetts: Berna Haberman, founder of MaMHCA and Midge Williams, long-time MaMHCA Executive Director. The scholarship was established to recognize a MaMHCA member who is an outstanding graduate student in mental health counseling and who exemplifies the ideal mental health counseling student through academic performance and commitment to mental health counseling. The award includes a \$1,000 scholarship, a one-year MaMHCA membership during the scholarship year, mentoring support (including but not limited to licensing support services), and an annual conference fee waiver during the scholarship year. Additional information about the scholarship, including the application, may be found on the website: <http://www.mamhca.org/students/mamhca-scholarship/>.

Additional Scholarship Resources: Scholarship search engine websites are a valuable resource for researching and finding many scholarships on one site for which you may be eligible to apply:

- www.scholarships.com
- www.fastweb.com
- www.finaid.org

Graduate Student Assistantships:

Assistantships for graduate students may be available in the areas of teaching, academic coaching, social coaching, or clinic/program operations. Assistantships are typically available for 5-15 hours per week appointments and may be renewable each semester. Compensation ranges from \$1,200 to \$3,600 per semester and is awarded as tuition remission. Students interested in obtaining an assistantship must complete a Graduate Assistantship application. Applications can be obtained from the Graduate Admissions Office (graduateadmissions@becker.edu) or from Dr. Beth Greenberg, Associate Professor of Psychology and Program Coordinator (beth.greenberg@becker.edu), and can be submitted to Dr. Greenberg. The application can be found on the Becker College Graduate Student Financial Aid website (<http://www.becker.edu/admissions/financial-aid/graduate-students>).

Graduate Plus Loans

Graduate and Professional degree students are now eligible to borrow **Graduate PLUS Loans** under the William D. Ford Direct Loan Program. Students may borrow up to the cost of attendance minus other financial aid. This loan for the 2018-2019 academic year has a fixed interest rate of 7.60%. There is a 4.264% origination fee for loans first disbursed between 10/1/17 and 09/30/18. Loans first disbursed on or after 10/1/18 through 9/30/19 will have a 4.248% origination fee.

The repayment period for a Direct Grad PLUS borrower begins on the date of the final disbursement of the loan and the first payment is due within 60 days of the final disbursement of that loan. The Grad PLUS borrower may apply for an in-school deferment by submitting an In-School Deferment Request to the Direct Loan Servicing Center. Loan funds are disbursed directly to Becker College in equal amounts over each term of enrollment for the academic year.

Satisfactory Academic Progress (SAP)

Becker College, in accordance with federal regulations, requires all students who receive federal financial aid to maintain satisfactory academic progress. Becker College also uses this policy for institutional financial aid. Student academic progress is measured at the end of each enrolled semester, where financial aid is awarded, against the following standards:

Graduate students at Becker College must maintain a 3.0 cumulative GPA and successfully complete 75% of the credits they attempt.

- *Full-time student: 7 credits per semester*
- *Half-time student: 4 credits per semester*

Maximum time frame: Students must complete their educational program of study within a time frame no longer than 150% of published length of the educational program, as measured by the credits attempted and including transfer credits.

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

The following are considered when evaluating a student's SAP:

- **Drop vs. Withdrawal:** If a student drops courses before the end of the Add/Drop period, the courses will not be counted as attempted. Any courses withdrawn from after the Add/Drop period will be counted as attempted but not completed.
- **Incomplete grades:** A grade of incomplete will count as attempted credit hours but not completed credit hours. Once the course work is completed and a grade determined, the student must contact the Office of Financial Aid.
- **Repeated courses:** A student may repeat a course twice in which a low grade was earned and still be eligible to receive financial aid.
- **Transfer credits:** All academic credits transferred and accepted at Becker College will be counted as both attempted and earned credits. These credits will also be counted in the maximum time frame calculation.
- **Pass/Fail credits:** The academic credit hours for any courses taken with a pass or fail grade will be counted toward the attempted and earned credits. These credits will also be counted in the maximum time frame calculation.

Warning Status

Students who initially fail any one of the standards of academic progress, excluding maximum time frame, can be placed on Financial Aid Warning for one semester or payment period. Students who are in a warning status remain eligible for financial aid and therefore do not need to appeal this status. Students will be required to improve academically and meet the minimum standards of this federal policy by the end of the warning period. Failure to meet the minimum requirements of this policy will result in suspension of aid eligibility.

Ineligible Status

Students who fail to meet SAP requirements after the Warning semester, the student is no longer eligible to receive federal student aid. A student may appeal for reinstatement of federal student aid eligibility.

Notification

The Office of Financial Aid will send written notice to any financial aid recipient who does not meet minimum satisfactory progress standards that they will be terminated from aid for the subsequent term(s). The notice will be addressed to the student's most current local address on file with the Office of Financial Aid. It is the responsibility of the student to inform the Office of Financial Aid of the correct address at all times.

Appeals

The denial of financial aid because of failure to meet Satisfactory Academic Progress requirements may be appealed if the student believes there were special circumstances that should be considered. The following must be submitted along with the SAP Appeal Form at least one week prior to the first week of classes of the term:

- A letter, by the student, explaining what the extenuating circumstances are that prevented the student from maintaining SAP and what has changed that will allow the student to maintain the standards going forward. Reasons for appeal include the death of a relative, an injury or illness of the student, or other special circumstances. Documentation supporting the extenuating circumstances should be attached to the appeal form.
- The academic advisor or designee must work with the student to complete an academic plan that can be submitted with the appeal. The academic plan will provide guidance to the student on how to meet SAP within the next three consecutive terms.
- Students on an academic plan must meet the requirements for each term in order to remain eligible for financial aid, unless they meet the standards for Satisfactory Academic Progress in any of those terms.

Appeal Decisions

The SAP Appeal Committee will review all requests for financial aid reinstatement and send a letter to notify the student of the decision.

- **Approval:** Reinstatement of financial aid will be granted placing the student on probation for one semester. Further eligibility will be contingent upon the student meeting the conditions of the academic plan and SAP standards.
- **Denial:** Financial aid eligibility will not be reinstated and the student will be responsible for making alternative payment arrangements. If the student meets the SAP requirements in a future term, aid will be reinstated.

For the most recent information on Becker College's SAP policy, please refer to our website.

Master of Arts in Mental Health Counseling Curriculum

The 60-credit Master of Arts degree curriculum offers several enrollment options. Students can complete the program in 2 years (full-time) or 3 years (part-time). Through the B.A. to M.A. program option, qualified Becker College undergraduate students can begin taking courses in the Master's program as early as the summer before their senior year. The curriculum is organized across four terms:

- Summer 1 Term: 7 weeks
- Summer 2 Term: 7 weeks
- Fall Term: 15 weeks
- Spring Term: 15 weeks

Students are expected to begin the program during the summer of their first year. A cohort-model is followed, with each class of students beginning the program together and taking the majority of courses in the sequence together. Summer terms are offered in two 7-week sessions. Fall and Spring terms follow a traditional 15-week semester.

Students initially complete entry-level courses that emphasize the foundations of counseling theory and basic counseling skills development. Beginning in the spring term of the first year, students select a track within the program in which to focus their coursework and training: Community Mental Health or School Consultation. Students also continue to enroll in courses that are required for all students, regardless of their track.

All students in the program are required to successfully complete a master's research thesis or counseling project, present at a colloquium, and sit for the Comprehensive Counselor Preparation Examination prior to conferral of the Master of Arts in Mental Health Counseling degree. The thesis or project is typically completed in two consecutive semesters. Students who do not complete the research thesis or counseling project by the end of the scheduled term will receive an incomplete. If the requirements have not been completed prior to the start of the next Fall or Spring term, whichever comes first, the student will be required to register for the course again.

The recommended course sequences for graduate students matriculating into the Master of Arts in Mental Health Counseling program in the 2018-2019 academic year are as follows:

Recommended Course Sequence for Full-time (2-year) Curriculum:**Year 1**

<i>Summer 1</i> <i>(May – June)</i>	<i>Credits</i>	<i>Summer 2</i> <i>(July – August)</i>	<i>Credits</i>
COUN5000 Fundamentals of Therapeutic Interaction	3	COUN5001 Human Growth & Development in Counseling	3
		COUN5003 Professional Orientation and Ethical Practice	3
	3		6

<i>Fall Semester</i> <i>(August - December)</i>	<i>Credits</i>	<i>Spring Semester</i> <i>(January - May)</i>	<i>Credits</i>
COUN5002 Consultation Team	1	COUN5010 Counseling Practicum	3
COUN5004 Social Emotional Learning and Mental Health	3	COUN5011 Principles and Methods of Assessment	3
COUN5005 DBT Skills Group, Behavioral Analysis and Exposure Treatments	3	COUN5018 Research Methods and Program Evaluation	3
COUN5006 Diagnosis & Treatment Planning	3		
	10		9

Year 2

<i>Summer 1</i> <i>(May – June)</i>	<i>Credits</i>	<i>Summer 2</i> <i>(July – August)</i>	<i>Credits</i>
COUN5012 Co-Occurring Disorders: Substance Abuse and Mental Illness	3	COUN5015 Social and Cultural Diversity Issues in Counseling	3
COUN5016 Group Approaches in Mental Health Counseling	3	COUN5017 Career Counseling and Development	3
COUN5019 Research Practicum I	1	COUN5020 Research Practicum II	1
	7		7

<i>Fall Semester</i> <i>(August - December)</i>	<i>Credits</i>	<i>Spring Semester</i> <i>(January - May)</i>	<i>Credits</i>
COUN5022 Advanced Topics in Social Emotional Learning and School Mental Health OR	4	COUN5031 Psychopharmacology for Mental Health Professionals	3
COUN5023 Advanced Dialectical Behavioral Treatment Principles		COUN5033 Mental Health Consultation and Models of Supervision	3
		COUN5040 Counseling Internship II	3
		COUN5060 Thesis in Mental Health Counseling II OR	1
COUN5030 Counseling Internship I	3	COUN5061 Mental Health Counseling Project II	
COUN5050 Thesis in Mental Health Counseling I OR	1		
COUN5051 Mental Health Counseling Project I			
	8		10
		Total Credits:	60

Recommended Course Sequence for Part-time (3-year) Curriculum:

Year 1

<i>Summer 1</i> <i>(May - June)</i>	<i>Credits</i>	<i>Summer 2</i> <i>(July - August)</i>	<i>Credits</i>
COUN5000 Fundamentals of Therapeutic Interaction	3	COUN5001 Human Growth & Development in Counseling	3
		COUN5003 Professional Orientation and Ethical Practice	3
	3		6
<i>Fall Semester</i> <i>(August - December)</i>	<i>Credits</i>	<i>Spring Semester</i> <i>(January - May)</i>	<i>Credits</i>
COUN5002 Consultation Team	1	COUN5010 Counseling Practicum	3
COUN5006 Diagnosis & Treatment Planning	3	COUN5011 Principles and Methods of Assessment	3
	4		6

Year 2

<i>Summer 1</i> <i>(May – June)</i>	<i>Credits</i>	<i>Summer 2</i> <i>(July – August)</i>	<i>Credits</i>
COUN5012 Co-Occurring Disorders: Substance Abuse and Mental Illness	3	COUN5015 Social and Cultural Diversity Issues in Counseling	3
COUN5016 Group Approaches in Mental Health Counseling	3		
	6		3
<i>Fall Semester</i> <i>(August - December)</i>	<i>Credits</i>	<i>Spring Semester</i> <i>(January - May)</i>	<i>Credits</i>
COUN5004 Social Emotional Learning and Mental Health	3	COUN5018 Research Methods and Program Evaluation in Mental Health	3
COUN5005 DBT Skills Group, Behavioral Analysis and Exposure Treatments	3	COUN5031 Psychopharmacology for Mental Health Professionals	3
	6		6

Year 3

<i>Summer 1</i> <i>(May – June)</i>	<i>Credits</i>	<i>Summer 2</i> <i>(July – August)</i>	<i>Credits</i>
COUN5019 Research Practicum I	1	COUN5017 Career Counseling and Development	3
		COUN5020 Research Practicum II	1
	1		4
<i>Fall Semester</i> <i>(August - December)</i>	<i>Credits</i>	<i>Spring Semester</i> <i>(January - May)</i>	<i>Credits</i>
COUN5022 Advanced Topics in Social Emotional Learning and School Mental Health OR	4	COUN5033 Mental Health Consultation and Models of Supervision	3
COUN5005 Advanced Dialectical Behavioral Treatment Principles		COUN5040 Counseling Internship II	3
COUN5030 Counseling Internship I Thesis in Mental Health	3	COUN5060 Thesis in Mental Health Counseling II OR	1
COUN5050 Counseling I OR	1	COUN5061 Mental Health Counseling Project II	
COUN5060 Mental Health Counseling Project I			
	8		7
Total Credits:			60

Recommended Course Sequence for B.A. to M.A. Degree Program Curriculum:

Senior Year (these graduate level courses are completed as part of full-time undergraduate course load)

<i>Summer 2</i> <i>(July-August)</i>		<i>Credits</i>				
COUN5003	Professional Orientation and Ethical Practice	3				
<i>Fall Semester</i> <i>(August - December)</i>		<i>Credits</i>	<i>Spring Semester</i> <i>(January - May)</i>			
COUN5006	Diagnosis & Treatment Planning	3	COUN5011	Principles and Methods of Assessment	3	
			COUN5018	Research Methods and Program Evaluation in Mental Health	3	
					Total Credits toward M.A.	12

Year 1 (M.A. Program)

<i>Summer 1</i> <i>(May – June)</i>		<i>Credits</i>	<i>Summer 2</i> <i>(July – August)</i>		<i>Credits</i>
COUN5000	Fundamentals of Therapeutic Interaction	3	COUN5001	Human Growth and Development in Counseling	3
COUN5012	Co-Occurring Disorders: Substance Abuse and Mental Illness	3	COUN5020	Research Practicum II	1
COUN5019	Research Practicum I	1			
		7			4
<i>Fall Semester</i> <i>(August - December)</i>		<i>Credits</i>	<i>Spring Semester</i> <i>(January - May)</i>		<i>Credits</i>
COUN5002	Consultation Team	1	COUN5010	Counseling Practicum	3
COUN5004	Social Emotional Learning and Mental Health	3	COUN5031	Psychopharmacology for Mental Health Professionals	3
COUN5005	DBT Skills Group, Behavioral Analysis and Exposure Treatments	3	COUN5033	Mental Health Consultation and Models of Supervision	3
		7			9

Year 2

<i>Summer 1</i> <i>(May – June)</i>		<i>Credits</i>	<i>Summer 2</i> <i>(July – August)</i>		<i>Credits</i>
COUN5016	Group Approaches in Mental Health Counseling	3	COUN5015	Social and Cultural Diversity Issues in Counseling	3
COUN5030	Counseling Internship I (full summer)	3	COUN5017	Career Counseling and Development	3
COUN5050	Thesis in Mental Health Counseling I	1			
	OR				
COUN5051	Mental Health Counseling Project I				
		7			6
<i>Fall Semester</i> <i>(August - December)</i>		<i>Credits</i>			
COUN5022	Advanced Topics in Social Emotional Learning and School Mental Health	4			
	OR				
COUN5023	Advanced Dialectical Behavioral Treatment Principles				
COUN5040	Counseling Internship II	3			
COUN5060	Thesis in Mental Health Counseling II	1			
	OR				
COUN5061	Mental Health Counseling Project II				
		8			
				Total Credits:	60

School of Graduate and Professional Studies – Master of Fine Arts in Interactive Media

Becker College's School of Graduate and Professional Studies offers a Master of Fine Arts in Interactive Media. Courses are offered in a traditional 15-week format during the fall and spring semesters, with week-long residencies at the start and end of each academic year. All courses for this low residency program are offered to accommodate a one day a week schedule with additional optional studio time available the rest of the week.

Graduate Admissions Process

Our approach to the admissions process is holistic; we consider all that each applicant has to offer, rather than making decisions based on any single factor. Completed applications will be reviewed on a rolling, space-available basis. Applications are considered complete when the online application has been completed and submitted, and all required supporting documentation has been received. Students are encouraged to submit all required items in a timely manner as enrollment will be limited. The program is run as a cohort model, with classes beginning in August each year.

Admissions requirements include the following:

- Completion of the online application;
- Official college transcript showing completion of a Bachelor's degree;
- Personal statement outlining your career goals and why you wish to join the program (500-800 words);
- Portfolio Materials (see details below);

Portfolio Submission:

All materials must be submitted electronically to graduateadmissions@becker.edu. Portfolios will be reviewed by a faculty committee and should adhere to the following guidelines:

- Portfolios must be digital and submitted on-line via a link to a personal webpage or portfolio site.
- Applicant portfolios should include 10-20 pieces of traditional and/or digital works.
- Submissions may include drawings, paintings, digital illustrations, 3D models, animations, demo reels, 2D assets, working apps or games, design documents, webpages, motion graphics, code samples, etc.
- Portfolio pieces may represent classroom assignments as well as independent projects.
- The portfolio should be purposeful, demonstrate originality of concept, visual literacy, and an understanding of current industry standard software.
- Portfolios are reviewed on the following qualitative measures: aesthetic awareness, composition, design, color usage, spatial perception, quality of presentation, technique, and originality.
- Favorable consideration is given to original designs that show a strong understanding of 2D and 3D art pipelines and/or development practices, demonstrated by fully rendered pieces and functional polished apps or games.

Transfer Credits:

Students wishing to transfer graduate credits earned at another institution will need to petition the Graduate Admissions Committee by submitting the syllabus for each potential transfer course and by submitting an official transcript documenting a grade of B or better in each course. Determination of transferability will be wholly at the discretion of the Graduate Admissions Committee. Students may transfer up to 12 graduate credits with approval by the Graduate Admissions Committee. These credits must have been earned within ten years prior to the date on which the Becker College graduate degree is officially conferred. A student who receives advanced credit is not exempt from any part of the Master's thesis including research, written component, and completed project.

Office of Administrative Services – Master of Fine Arts in Interactive Media (Offices of Financial Aid, Student Accounts, Registrar)

Graduate Program Expenses

Tuition (per credit charge).....	\$1,000
Comprehensive Fee (charged in Fall and Spring).....	\$410/semester
Technology Fee (charged in Fall and Spring).....	\$500/semester
Health Insurance.....	\$2,285 (may be waived)

Financial Policies:

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

Application Fee:

There is no application fee required with the completed application for admission.

Graduate Program Grants and Assistantships**MFA Graduate Assistantships:**

Graduate assistantships are financial support awarded to assist graduate students in making progress toward their degree. A graduate assistantship provides opportunities for students to expand and/or apply their discipline knowledge and skills under supervision of a faculty mentor, while also providing instructional, research, and/or administrative support to departmental efforts. To hold a graduate assistantship, a student must be enrolled as a full-time student for both the fall and spring semesters in the Master of Fine Arts program. Up to 30% of each MFA cohort will receive some form of assistantship. Applications can be obtained from the Graduate Admissions office (graduateadmissions@becker.edu) or the Program Director.

Graduate assistantships typically require 5-15 hours of effort per week, however may require more as directed by the faculty advisor. Graduate assistantships may be renewable each semester. Compensation ranges from \$1,200 up to \$3,600 per semester (at a maximum of \$16/hr) and is awarded as tuition remission.

To be eligible for a graduate assistantship, you must:

- Be a full-time student registered for at least 12 credits of coursework;
- Be formally admitted to the MFA degree program;
- Have and maintain a GPA of at least 3.0;
- Be a residential student;
- Be eligible to work in the United States;
- Meet any other specific work-related requirements as specified by the School of Design & Technology.

Note: Becker College employees (full time or adjunct) enrolled in the MFA program are NOT eligible for graduate assistantships.

Graduate Plus Loans:

Graduate and Professional degree students are now eligible to borrow **Graduate PLUS Loans** under the William D. Ford Direct Loan Program. Students may borrow up to the cost of attendance minus other financial aid. For current interest rates and disbursement dates visit:

<https://studentaid.ed.gov/sa/types/loans/interest-rates>

The repayment period for a Direct Grad PLUS borrower begins on the date of the final disbursement of the loan and the first payment is due within 60 days of the final disbursement of that loan. The Grad PLUS borrower may apply for an in-school deferment by submitting an In-School Deferment Request to the Direct Loan Servicing Center. Loan funds are disbursed directly to Becker College in equal amounts over each term of enrollment for the academic year.

Satisfactory Academic Progress (SAP)

Becker College, in accordance with federal regulations, requires all students who receive federal financial aid to maintain satisfactory academic progress. Becker College also uses this policy for institutional financial aid. Student academic progress is measured at the end of each enrolled semester, where financial aid is awarded, against the following standards:

- Graduate students at Becker College must maintain a 3.0 cumulative GPA and successfully complete 75% of the credits they attempt. *Full-time student: Minimum 12 credits per semester*

Maximum time frame: Students must complete their educational program of study within a time frame no longer than 150% of published length of the educational program, as measured by the credits attempted and including transfer credits.

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

The following are considered when evaluating a student's SAP:

- **Drop vs. Withdrawal:** If a student drops courses before the end of the Add/Drop period, the courses will not be counted as attempted. Any courses withdrawn from after the Add/Drop period will be counted as attempted but not completed.

- **Incomplete grades:** A grade of incomplete will count as attempted credit hours but not completed credit hours. Once the course work is completed and a grade determined, the student must contact the Office of Financial Aid.
- **Repeated courses:** A student may repeat a course twice in which a low grade was earned and still be eligible to receive financial aid.
- **Transfer credits:** All academic credits transferred and accepted at Becker College will be counted as both attempted and earned credits. These credits will also be counted in the maximum time frame calculation.
- **Pass/Fail credits:** The academic credit hours for any courses taken with a pass or fail grade will be counted toward the attempted and earned credits. These credits will also be counted in the maximum time frame calculation.

Warning Status

Students who initially fail any one of the standards of academic progress, excluding maximum time frame, can be placed on Financial Aid Warning for one semester or payment period. Students who are in a warning status remain eligible for financial aid and therefore do not need to appeal this status. Students will be required to improve academically and meet the minimum standards of this federal policy by the end of the warning period. Failure to meet the minimum requirements of this policy will result in suspension of aid eligibility.

Ineligible Status:

Students who fail to meet SAP requirements after the Warning semester, the student is no longer eligible to receive federal student aid. A student may appeal for reinstatement of federal student aid eligibility.

Notification:

The Office of Financial Aid will send written notice to any financial aid recipient who does not meet minimum satisfactory progress standards that they will be terminated from aid for the subsequent term(s). The notice will be addressed to the student's most current local address on file with the Office of Financial Aid. It is the responsibility of the student to inform the Office of Financial Aid of the correct address at all times.

Appeals:

The denial of financial aid because of failure to meet Satisfactory Academic Progress requirements may be appealed if the student believes there were special circumstances that should be considered. The following must be submitted along with the SAP Appeal Form at least one week prior to the first week of classes of the term:

- A letter, by the student, explaining what the extenuating circumstances are that prevented the student from maintaining SAP and what has changed that will allow the student to maintain the standards going forward. Reasons for appeal include the death of a relative, an injury or illness of the student, or other special circumstances. Documentation supporting the extenuating circumstances should be attached to the appeal form.
- The academic advisor or designee must work with the student to complete an academic plan that can be submitted with the appeal. The academic plan will provide guidance to the student on how to meet SAP within the next three consecutive terms.

- Students on an academic plan must meet the requirements for each term in order to remain eligible for financial aid, unless they meet the standards for Satisfactory Academic Progress in any of those terms.

Appeal Decisions

The SAP Appeal Committee will review all requests for financial aid reinstatement and send a letter to notify the student of the decision.

- **Approval:** Reinstatement of financial aid will be granted placing the student on probation for one semester. Further eligibility will be contingent upon the student meeting the conditions of the academic plan and SAP standards.
- **Denial:** Financial aid eligibility will not be reinstated and the student will be responsible for making alternative payment arrangements. If the student meets the SAP requirements in a future term, aid will be reinstated.

For the most recent information on Becker College's SAP policy, please refer to our website.

Master of Fine Arts in Interactive Media Curriculum

The 60-credit Master of Fine Arts degree curriculum is offered as a two-year full-time program. Or through the B.A. to M.F.A. (4+1) option, qualified Becker College undergraduate students can begin taking graduate courses during their senior undergraduate year.

A cohort model is followed, with each class of students beginning the program together and taking most of the courses in the sequence together. The curriculum is organized across traditional 15 week Fall and Spring semesters with all graduate courses meeting on Wednesdays each week. In addition, there are two required on-campus week long residencies each year; One at the start of the Fall semester and another at the end of the Spring semester.

M.F.A. Candidate Expectations:

- Successfully complete four semesters of graduate level academic courses and studio work including a one-week residency per semester. 36 credits of studio work combined with 24 credits of academic work.
- Complete academic research and produce a thesis project along with a written component and oral defense that demonstrates the students' understanding of both the technical and aesthetic perspectives of their chosen area of study within the context of interactive media.
- Demonstrate their ability to carry on a sustained professional-level project, completely realized in time for a thesis presentation during their final residency.
- Participate in four critique/exhibitions (one per semester during residencies).

Recommended Course Sequence for Full-time (2-year) Curriculum:**Year 1**

<i>Fall Semester (August - December)</i>		<i>Credits</i>	<i>Spring Semester (January - May)</i>		<i>Credits</i>
GAME5100	Directed Graduate Studio	9	GAME5200	Directed Graduate Studio II	9
GAME5900	Group Seminar	3	GAME 5900	Group Seminar OR Elective	3
	Graduate Elective	3		Graduate Elective	3
		15			15

Year 2

<i>Fall Semester (August - December)</i>		<i>Credits</i>	<i>Spring Semester (January - May)</i>		<i>Credits</i>
GAME6100	Directed Graduate Studio III	9	GAME6200	Directed Graduate Studio IV	9
GAME5900	Group Seminar OR Elective	3	GAME 5900	Group Seminar OR Elective	3
GAME6300	Thesis I	3	GAME6301	Thesis II	3
		15			15

Total Credits: 60

Bachelor of Arts (B.A.) to Master of Fine Arts (M.F.A.) Degree Option

The B.A. to M.F.A. program option offers qualified Becker College undergraduates the opportunity to enroll in graduate courses and gain conditional* acceptance into the Master of Fine Arts in Interactive Media program while completing their undergraduate degree. Students enrolled in the 4+1 program can earn both their BA and MFA in five years. All required undergraduate courses are completed during the first three years of undergraduate study with the fourth year acting as a bridge year into the graduate program. In the fifth and final year of study students will complete their graduate research and thesis projects.

Students wishing to take advantage of the 4+1 option should indicate their intentions in their freshman year to be placed on the correct academic course track and should consult with the Program Director and/or Academic Advisors to ensure that their schedules align with the B.A. to M.F.A program curriculum.

Students must meet the following requirements for the first three years:

- Be enrolled as a full-time student.
- Maintain a Cumulative GPA of 3.0.
- Maintain a Game GPA of 3.0 (*this includes all GAME/ART/CPTR courses required for the BA degree*).
- Submit a portfolio for review at the end of each academic year (Freshman, Sophomore, Junior).
 - Portfolio will be judged by a faculty panel and graded as "Pass, Pass with Concern, or Fail".
 - Students must pass a minimum of two portfolio reviews for conditional acceptance into the MFA program in their fourth year.
- Completion of at least 90 credits prior to graduate course registration.
- In their Junior (third) year students must formally apply for conditional* acceptance to the M.F.A. program; In order to be registered for 5000 level courses in their Senior (fourth) year.

- Any graduate courses taken by a baccalaureate degree student that are credited toward the Master's degree must have been obtained with a grade of B or better.
- ONLY courses of 5000-level or higher may count toward the M.F.A. degree.

*Conditional acceptance allows students to enroll in graduate courses during their senior year of undergraduate study. Upon graduation and successful completion of all B.A. to M.F.A. requirements, this student may be awarded unconditional acceptance into the graduate program, requiring only one additional year to complete the Master of Fine Arts degree curriculum.

Students who do *not* meet all B.A to M.F.A requirements may still apply for acceptance to the program but must include 2 letters of recommendation and a personal statement along with their portfolio for review. Acceptance will be at the discretion of the Application Review Committee and the Program Director.

Undergraduate Course Descriptions

ACCT2004 Entrepreneurial Accounting 3 cr.

This course is designed for students who are doing a minor in business and meets the accounting requirements for students in the CIS and sport management concentrations. The course focuses on the business process to make financial statements relevant, emphasizing the relationship between business and accounting with a presentation of topics that emphasizes an explanation of accounting concepts based on balance sheet order. The course spotlights the risks, controls, ethics, and governance of a business including a comparison of Generally Accepted Accounting Standards and International Financial Reporting Standards. Case studies and models will be used to demonstrate applications in the business environment. Prerequisites: ENGL1001 or concurrent enrollment; MATH1200 or concurrent enrollment. **Meets the requirements for Business elective. Course offered: Fall, Spring.**

ACCT2100 Accounting and Finance I - Concepts and Tools 3 cr.

The primary objective of this course is to provide a foundational understanding of accounting and finance concepts and tools. Specifically, this course takes students from double-entry accounting through to an elementary understanding of how to construct financial statements. It introduces the use of these statements as the basis for ratio analysis and budgeting. Students begin their study of the basic time value of money concepts that are the foundation for basic valuation techniques for both financial securities and projects valuation. Inclusive in this foundation in quantitative skills is the essential concept of ethical decision-making in business. **Meets the requirements for Business elective. Course offered: Fall.**

ACCT3100 Accounting and Finance II – Financial Decision Making 3 cr.

The primary objective of this course is to extend the foundational and integrated understanding of accounting and finance concepts and tools introduced in ACCT2100 through more sophisticated applications in real world business challenges and case studies. Specifically, students will learn to construct financial statements from scratch, analyze financial scenarios, project pro forma financial statements, and construct elementary models for the purposes of valuation. Embedded in these advanced skills is the essential concept of ethical decision making in business. Prerequisite: ACCT2100. **Meets the requirements for Business elective. Course offered: Spring.**

ANSC1000 Career Exploration 1 cr.

This introductory course will expose freshman animal care students to potential career opportunities available in various animal related industries through the presentation of “industry profiles”, related reading & video assignments, guest speakers and in-class group discussions.

ANSC1003 Animal Care Management 3 cr.

An introductory course offering the basic care of most companion animals. Emphasis is on feeding, breeding, health maintenance, and housing of various species (dogs, cats, ferrets, birds, fish, rodents, etc.). **Meets the requirement for Science and General Education elective. Course offered: Fall**

ANSC1005 Animal Facilities Design and Management 3 cr.

This is an introductory course providing information about the standards of design and management of a range of common animal housing and care facilities. Lecture topics will include information about professional kennels (a private boarding facility, a public or private animal shelter, humane society or training facility); professional horse stables and associated turnout/pasture/training areas; livestock farms/production facilities and associated turnout/exercise/pasture areas; research animal care and use facilities; and, types of aquatic and avian facilities. Emphasis is on applicable regulations, current standards of care, animal handling, sanitation, disinfection, proper feeding, watering and housing and basic health and behavior issues. The student is exposed to several animal housing concepts and introduced to various career opportunities. Rotations in the Becker Veterinary Clinic kennels to learn and practice husbandry techniques are part of the laboratory requirements. Both lecture and laboratory consist of 2 hours each. Restriction: Preference given to Animal Care and Laboratory Animal Management students. **Course offered: Fall**

ANSC1010 Animal Health Skills 3 cr.

This course introduces the student to more in-depth skills involving animal care and handling, concentrating on the dog and cat. Anatomy and physiology, diseases and conditions affecting these species and entry level skills such as first aid, intramuscular and subcutaneous injection techniques, obtaining vital signs, bandaging and splinting techniques and basic laboratory procedures are taught. Both lecture and laboratory, 2 hours per week. Husbandry rotations in the Becker Veterinary Clinic are required. Restriction: Animal Care and Laboratory Animal Science majors only.

Course offered: Spring.

ANSC1400 Introduction to Animal Science 3 cr.

An introduction to the broad field of animal science. The course develops a basic understanding of each of the major types of domestic animals, with particular attention to nutrition and reproduction.

Meets the requirement for Science, General Education, and Veterinary Science elective. Course offered: Spring.

ANSC2000 Introduction to Laboratory Animal Science 2 cr.

An introduction to the laboratory animal research environment, this course focuses on the fundamentals of applied anatomy and physiology, physical examination, animal husbandry, and identification in selected small animal laboratory species. Sentinel programs, equipment and regulatory topics are also covered. Basic nursing skills are introduced and reinforced in laboratories including animal restraint, dose calculations, hygiene, disinfectants and sterilization techniques.

Prerequisites: ANSC1010 or VTSC1101 or BIOL1002. **Course offered: Fall, Spring.**

ANSC2200 Canine Behavior and Training 2 cr.

Students learn the basic training of dogs by learning the practical application of dog teaching theories and training techniques. Hands-on sessions with dogs, plus general information about dog behavior, correcting problems, puppy prep school, human animal bonding, pet-owner counseling and assistance dogs. In addition to class time, students are required to spend a minimum of 45 minutes in daily independent work/exercise. **Prerequisites:** Sophomore Status. **Restriction:** Animal Care students receive priority; when space is available, will be open to other majors within the School of Animal Studies and Natural Sciences. **Course offered: Fall, Spring.**

ANSC2201 Intermediate Grooming 2 cr.

A continuation of the introductory course, involving classroom instruction and laboratory experience focusing on trimming and clipping techniques and procedures. Attention is given to types and methods of grooming the various breeds. Prerequisites: Sophomore status in the Animal Care program; ANSC1005; ANSC1010 or VTSC1101; ANSC1201. **Course will not be offered after Fall 2018.**

ANSC2202 Domestic Animal Behavior 3 cr.

A generalized overview of the fundamental principles of animal behavior, including patterns of behavior and the influence of structure, physiology, heredity, and experience on behavior. Prerequisite: Sophomore Status; ANSC1400 or PSYC1001 or BIOL1002 or BIOL1005. **Meets the requirement for Science, General Education, and Veterinary Science elective. Course offered: Spring.**

ANSC2401 Animal Nutrition 3 cr.

An introduction to proper feeding practices for both large and small animals. Nutrients and their function, as well as feeds and their components are surveyed. The importance of balancing rations of many animal species are studied. Feeding practices for the various stages of life are also covered. Prerequisite: ANSC1400. **Meets the requirement for General Education, Equine, and Science elective. Course offered: Fall.**

ANSC2403 Equine Nutrition 3 cr.

A discussion of the nutritional needs of horses, including requirements for growth, work, and reproduction, as well as dietary formulation and management of horses with special needs. This includes a review of the digestive anatomy and physiology, discussion of nutrients and their functions, sources of these nutrients for equine diets, and formulation of diets specific to horses. Also included are ration balancing and evaluation of forage and feed quality, as well as the diseases associated with poor nutrition. Students are required to formulate a specific feeding regimen. Prerequisites: ANSC2701 or BIOL1005, BIOL1006. **Meets the requirement for General Education, Science, Equine, and Veterinary Science elective. Course offered: Spring.**

ANSC2501 Animal Breeding 3 cr.

A demonstration of how to achieve the improvement of animals through the application of genetics. Breeding systems for the various classes of livestock and the use of accurate breeding records are stressed. Prerequisite: sophomore status; BIOL1001 or BIOL1005. **Meets the requirement for General Education, Science, Equine, and Veterinary Science elective. Course offered: Spring.**

ANSC2701 Equine Anatomy and Physiology 3 cr.

A discussion of the anatomy and physiology of the horse, concentrating on the musculoskeletal, gastrointestinal, cardiovascular and the respiratory systems, with an emphasis on the application of this knowledge to improve care and management of the horse. **Meets the requirement for General Education, Science, and Veterinary Science elective. Course offered: Spring**

ANSC2900 Externship Module I - 3 cr.

Students perform a minimum of 150 hours of work in an animal care facility of their choosing. With the assistance of the externship coordinator, students may select to work in kennels, animal shelters, grooming parlors, biomedical research facilities, zoos, marine aquariums or any other location where they will receive valuable experience in the care of animals. Upon completion, students will present the externship coordinator with an evaluation form detailing their performance along with a daily journal and a summary paper. Most students meet this requirement during the summer between their freshman and sophomore years. Prerequisites: ANSC1003, ANSC1005, ANSC1010 or VTSC1101; ANSC1400 and BIOL1001; cumulative GPA 2.0. **Course offered: Fall, Spring.**

ANSC2901 Externship Module Ia 3 cr.

This course introduces students to a laboratory animal care facility. The student is expected to fulfill 200 hours at a chosen site with the externship coordinator. While at this site, the student is expected to act in a professional manner as a representative of the College while s/he learns new skills and techniques. Pre-requisite: VTSC2000. Student may complete the hours in the summer or the following fall. **Course offered: Fall.**

ANSC3100 Animals in Society 3 cr.

This is a comprehensive study of the relationship of animals in society. Beginning with an overview of various ethical theories and positions, the changing and evolving role of animals in society dating back to the early domestication of dogs will be explored from both practical and ethical views. Topics such as the human-animal bond, biomedical research, exhibit animals, euthanasia, wildlife and its impact on ecosystems, the psychology of animal hoarding, the animal-human abuse link, and international animal welfare will be covered. Class discussion and case studies will be a vital part of the class structure. Prerequisites: Completion of 48 credits and PSYC1001 OR SOCI1001. **Meets the requirement for General Education, Equine, Science for Biology, Psychology, Social Science, Veterinary Science elective. Course offered: Fall, Spring.**

ANSC3201 Advanced Livestock Management 3 cr.

This course is an in depth exploration of management of various livestock facilities including dairy farms, beef farms, dairy goat and swine facilities. Case based learning will make use of the unique challenges presented in various livestock management situations to provide a thorough understanding of livestock management and large animal medicine practices. Prerequisites: VTSC2201, or BIOL1001 and BIOL1002.

ANSC3301 The Human and Animal Bond 3 cr.

This is a multidisciplinary course in which the different relationships humans have with non-human animals, both locally and globally, will be explored. Societies around the world have different focuses regarding the benefits of animals as companions, work animals, and assistance animals. This course is designed to look at and discuss these differences. Prerequisites: BIOL1001, BIOL1002 or BIOL1005 BIOL1006 or BIOL2503, BIOL2504 and PSYC1001. **Meets the requirement for General Education, Psychology, Equine, Social Science, Veterinary Science elective. Course offered: Fall.**

ANSC3401 Lab Animal Technical Methods I- 4 cr.

This series of courses is designed to give the student a basic knowledge of the major species of animals used in biomedical research. Topics include genetics and breeding as they relate to laboratory animal colony management, proper maintenance of healthy and sterile lab environments, laboratory safety and quality assurance issues as well as advanced handling and technical diagnostic techniques. Common laboratory animal diseases, pharmacology, and surgical nursing techniques are presented as they apply to this population. Recognition of normal status as well as signs of abnormal through physical examination, lab values, and observation of behavior is covered. The first semester focuses on rats, mice, dogs, fish and non-human primates. The lecture consists of 3 hours per week and laboratory component is 2 hours per week. Some off-campus laboratory sessions may be required. Students are required to participate in regularly scheduled husbandry rotations with the program laboratory animals.

Prerequisites: ANSC2000 or VTSC2000. **Course offered: Fall.**

ANSC3402 Lab Animal Technical Methods II - 4 cr.

This is a continuation of ANSC3401 and concentrates on guinea pigs, cats, rabbits as well as hamsters, gerbils, and other non-traditional small research animals. Livestock species such as sheep, goats and pigs will also be covered. This course continues to focus on technical diagnostic techniques including sample collection. In addition, advanced research methodologies will be examined, including studies and models for various protocols. Record keeping is emphasized as well as technical writing. The lecture consists of 3 hours per week and the laboratory component is 2 hours per week. Some off-campus laboratory sessions may be required. Students are again expected to participate in the regularly scheduled husbandry rotations with the program laboratory animals. Prerequisite: ANSC3401.

Course offered: Spring.

ANSC3503 Equine Reproduction and Breeding Management 3 cr.

This course deals specifically with the management of the business of breeding horses and the care needed for stallions at stud, brood mares, and foals. Topics include the estrus cycle as well as methods of controlling the cycle, the causes of infertility in both the stallion and mare, an overview of artificial insemination, and the role of genetics in conformation. Prerequisites: EQST1601 and ANSC2701 or BIOL1005 and BIOL1006. **Meets the requirement for Equine, Science for Biology, and Veterinary Science elective. Course offered: Spring.**

ANSC4700 The World of Research 3 cr.

This is a course that explores and discusses topics and issues that concern researchers and research facilities. The types of research being conducted, research protocols, Institutional Animal Care and Use Committee, regulatory inspections, public opinion, grant funding, and ethics and welfare are some of the areas covered. Whenever possible, guest lecturers who are experts in their field are utilized. Students are required to write and present a research proposal and a research report using mock data. Prerequisite: ANSC3402. **Course offered: Fall.**

ANSC4900 Externship Module IIa - 3 cr.

This course incorporates on-site training in a laboratory animal facility. The student is required to fulfill 200 hours at a site chosen with the externship coordinator. While at this site the student is expected to act in a professional manner as a representative of the College while she/he learns new skills and techniques. May be taken concurrently with ANSC4901 as long as the prerequisite requirements for that course are met. Prerequisite: ANSC3402. **Course offered: Fall, Spring.**

ANSC4901 Externship Module IIb - 3 cr.

This course is a continuation of ANSC4900 and may be taken concurrently as long as the prerequisite requirement is met. An additional 200 hours of on-site training may be completed at the same site as ANSC4900 or a different site. Prerequisite: ANSC4900 (or concurrent). **Course offered: Fall, Spring.**

ANSC4902 Externship Module IIc 3 cr.

This course is a continuation of ANSC4901 and may be taken concurrently as long as the prerequisites are met. An additional 200 hours of on-site training may be completed at the same site as ANSC4900 and ANSC4901, or at a different site. Prerequisite: ANSC4901 (or concurrent). **Course offered: Fall, Spring.**

ARTS1003 Art History I 3 cr.

This course is the first half of the history of art, from prehistoric times through the Middle Ages. The key masterpieces in sculpture, painting, and architecture of the major styles are presented in color slides. Works are studied for their structure, beauty, and meaning. The evolution of each style from society or from the artist's personality is analyzed. Field trips to the Worcester Art Museum will greatly enhance the students' learning. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Fall.**

ARTS1004 Art History II 3 cr.

This course is the continuation of a survey of the history of art, from the Renaissance to the present. Masterpieces in art and architecture are presented in color slides. Field trips to the Worcester Art Museum will help the student see that which is explained in the text and in class. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Spring.**

ARTS1100 Principles of Drawing 3 cr.

Principles of Drawing is an introductory studio course that teaches students the basics of drawing. This course will focus on a wide range of drawing exercises using a variety of drawing tools. Students will work in black and white and color, drawing from still life and photographs. They will develop their own sense of composition, and discover the illusion of three dimensions by using shading and perspective. Students will develop the skills of hands-on observational drawing as well as create constructive concepts that deal with simple volumes in space. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Fall, Spring.**

ARTS1202 Painting Studio 3 cr.

Through twelve projects in acrylic paints, students will explore their own sense of beauty and visual expression. Some projects concentrate on pure visual structure, some on emotional expression, and some on image making (landscapes, faces, still life). Realism and "drawing ability" are irrelevant, and students can enter the course at any level, from beginner to advanced. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Fall.**

ARTS1301 Principles of Design 3 cr.

Design is the underlying discipline of creating visual expression. The knowledge of how to use design elements (shape, form, balance, rhythm, texture, color and pattern) and an understanding of the proportions which balance them are a means of developing the students' eyes for design. Emphasis will be focused on developing creative visual problem solving skills and gaining insight for design. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Fall, Spring.**

ARTS1801 Printmaking 3 cr.

This is an introductory course in which students will learn the basic methods of Monotype and Relief printmaking. The course will cover a variety of materials and techniques through demonstration and hands-on time in the studio, including observation of print examples with discussion of assigned readings. The emphasis is on learning and developing basic techniques which will result in the production of limited edition prints. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Spring.**

ARTS2003 Contemporary Art History: Art and Artists of the Digital Age 3 cr.

This course is a survey of contemporary art and artists. Beginning with the end of Modernism, this course will investigate the Postmodern concepts that have dominated the art world for the past 50 years. Artists such as Nam June Paik, Peter Campus, Cindy Sherman, Bruce Nauman, Bill Viola, Chuck Close, Jenny Holzer, William Wegman, the Art Guys and Gretchen Bender are some of the contemporary artists that are using technology like their predecessors used a paintbrush. This course will not only examine works by these artists but how they incorporate technology with artistic concept and practice. Prerequisite: one of the following: ARTS1003, ARTS1004 or HUMN1001. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Varies.**

ARTS2100 Drawing II 3 cr.

This course is a follow-up studio course that continues to solidify and expand the basic drawing concepts that students explored in ARTS1100 Principles of Drawing. The student will be working with wet media techniques (watercolors, oils, markers) as they develop their drawing, and painting techniques in creating 2D objects and more complex subject matter. Students also learn the relationship of plain objects, figures and animals, and their relationship to an environment or composition. Prerequisite: ARTS1100. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Fall.**

ARTS2300 Color Theory 3 cr.

The study of color supports the understanding of all visual media. This studio based course features a hands-on approach to color study as students work with color hues, values, color harmony, and its importance in design and graphic communications. Color theory covers the basic principles of color usage, color harmony, color psychology, and different systems of organization. It is a foundation course for students involved with visual design in color. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Fall.**

ARTS2400 Cartooning Basics 3 cr.

This course is an introduction to the basic principles of cartooning. Students will learn the essential components of cartooning, ranging from initial concept to finished cartoon. The history of the cartoon will be covered, along with its contemporary application. Cartoon genres will include caricatures, "Funnies", single panel (including political cartoons), and Manga/Anime style drawing. Student will work to develop their own cartoon style while learning to use a variety of media such as pen and ink, marker and watercolor. Digital techniques, including the use of the computer, will be researched and explored. Prerequisite: ARTS1100. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Fall.**

ARTS2600 Global Perspectives in Contemporary Art 3 cr.

Course will introduce students to contemporary artists of the 21st Century through a global context. Works of art will be examined for their contributions to a better understanding of visual cultures as well as for their aesthetic values. The course will enhance students understanding of the power of images and engage them in a deeper conversation of cultural meaning. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective.**

ARTS2800 Life Drawing 3 cr.

The students will enhance their drawing skills by drawing the human figure using live models. Students will study proportion, light and shade, simple anatomy of the human form, and develop a basic understanding of the human figure in action and in motion. Prerequisite: ARTS1100; Students with significant drawing experience may apply to the instructor for permission to take this course concurrently with ARTS1100. **Meets the requirement for General Education, Interactive Media Design and Humanities/Fine Arts elective. Course offered: Fall, Spring.**

BIOL1001 Biology I 4 cr.

Fundamental principles of biology are studied at the molecular and cellular levels. Topics covered include the chemistry of macromolecules, molecular biology, cell biology, genetics, and the evolutionary process. Concepts covered in lecture will be applied in a required laboratory section. **Meets the requirement for General Education and Science elective. Course offered: Fall, Spring.**

BIOL1002 Biology II 4 cr.

A course study in levels of organization from tissues to populations. Particular attention is paid to organ systems and mechanism of action. The themes of regulation, homeostasis, and diversity thread through the subject matter. The course will culminate by focusing on the interdependency of life at the most complex level of biological organization – the ecosystem. Concepts covered in lecture will be applied in a required laboratory section. **Meets the requirement for General Education and Science elective. Course offered: Fall, Spring.**

BIOL1005 Anatomy and Physiology of Domestic Animals I 4 cr.

BIOL 1005 is the first half of a one-year laboratory course primarily for the Veterinary Science programs. A systems based approach is used to study comparative vertebrate anatomy and physiology. Emphasis is on domestic animals such as the dog, cat, horse, and rabbit, as well as selected ruminant, avian, and rodent species. 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 Science AVMA accredited programs. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Fall, Spring.**

BIOL1006 Anatomy and Physiology of Domestic Animals II 4 cr.

The continuation of BIOL1005. Prerequisite: BIOL1005 or by permission of the instructor. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Fall, Spring.**

BIOL1101 Biological Science for Society 4 cr.

This (non-majors) course primarily aims to develop the biological literacy necessary for students to be active, participatory citizens. Current issues in the media are discussed; these could include cloning, energy, habitat destruction, and disease. In this process, this course explores concepts, values, frameworks, and perceptions that have characterized signal events in biological history and guides the student to think systemically about the future. Course activities in relevant context develop critical thinking, promote problem-solving, and develop effective writing skills. Weekly laboratory sessions will facilitate instruction of the material. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Fall.**

BIOL2502 Microbiology 4 cr.

Microbes as they relate to the health sciences. Lectures emphasize the metabolism, the environment, and the genetics of microorganisms. Also covered is the body's response to microorganisms, disease, and the body's defense mechanisms. Required laboratory deals with the physiological, nutritional, and environmental needs of bacteria and fungi and with their use in the identification of microorganisms. Sterilization techniques, the use of the microscope, and the antibiotic susceptibility of bacteria are also studied. Prerequisite: CHEM1001/1002, or BIOL2503 (prerequisite) and BIOL 2504 (prerequisite or co-requisite) A grade of C or better is required for graduation in the Nursing program. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Fall, Spring.**

BIOL2503 Anatomy and Physiology I 4 cr.

A beginning course in the study of the human body with equal emphasis placed on structure and function. Specimen dissection is an integral requirement for both semesters. The first semester deals with the groundwork of the mammalian body, basic tissue types, fundamental aspects of the cell membrane structure and physiology, integumentary, skeletal and muscular systems. Lab required. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Fall, Spring.**

BIOL2504 Anatomy and Physiology II 4 cr.

A continuation of BIOL2503, examining the nervous, cardiovascular, respiratory, digestive, endocrine and urogenital systems. The lab experience will allow the student to examine appropriate specimens relating to the systems presented in lecture. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Fall, Spring.**

BIOL30UG Special Topics Course 3 cr.

Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived on the Becker website. Student may take course multiple times to earn credit for a different topic. **Course offered: Varies.**

BIOL3001 Cell Biology 3 cr.

A course covering the form and function of eukaryotic cells. Issues regarding transport mechanisms, cellular signaling, genetic regulation, and genetic technology are addressed. Attention is given to research design and experimental findings that support the subject matter. Prerequisites: One year of college chemistry and one year of biology or anatomy and physiology of domestic animals. This course assumes a prior knowledge of cell structure, chemical bonds, functional groups and the major biological molecules. Usually offered spring semester. Prerequisite: Either BIOL3003 or CHEM3003. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Spring.**

BIOL3003 Biological Chemistry 3 cr.

This course is designed as a general survey class in biochemistry that will allow students to integrate basic chemical constructs and pathways within the overarching realm of the life sciences. The structures, 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. The translational aspect of the use of biochemical tools and research methods within the fields of veterinary science, natural science, forensics, exercise science, psychology, nutrition, etc., will be highlighted. Prerequisites: BIOL-1001 and BIOL-1002 or BIOL-2503 and BIOL-2504 or BIOL-1005 and BIOL-1006 AND CHEM-1001 AND CHEM-1002. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Fall.**

BIOL3100 Developmental Biology (Embryology) 4 cr.

An introduction to vertebrate development, this course is a survey of developing embryos from the fertilized egg through the various stages leading to the adult organism with emphasis on the anatomy of the embryo. Topics examined in this survey include growth, regulations, inductions, morphogenesis, cell differentiation and underlying molecular mechanisms, regeneration, and aging. The required laboratory will involve the descriptive and slide studies of development in the sea urchin, frog, bird and mammal. Prerequisites: One year of biology with lab or one year of anatomy and physiology with lab. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Spring.**

BIOL3115 Pathophysiology 3 cr.

This course will introduce students to common health problems beginning at the cellular level. Tissues and their cellular components will be examined in order to best understand the illness process. The etiology of adult diseases will provide a focus for class lectures and discussions. Cellular disruptions resulting from injury, environmental toxins, pharmacogenomics, and the impact of stress on the body's ability to combat disease will be analyzed. The role of nursing and health care professionals in the assessment, diagnosis, planning, implementation, and evaluation of treatment protocols will be explored. Prerequisites: BIOL2503, BIOL2504; and BIOL2502, NURS2103 which may be taken concurrently.

BIOL3200 Biostatistics 3 cr.

A basic statistic course with an emphasis on the use of statistics in the life sciences. The course covers descriptive statistics, probability and hypothesis testing using both parametric and nonparametric statistics testing. A semester project is required. Prerequisite: MATH1200. **Meets the requirement for General Education, Science, Science for Biology, and Veterinary Science elective. Course offered: Spring.**

BIOL3201 Primatology 3 cr.

Introduces the order of primates and describes its general characteristics and distribution, reviews the fossil record on primate origins and describes anatomical details and social behaviors. Students will better understand the natural history of primates and thus incorporate the knowledge into the primate's role in a research facility. Prerequisite: Completion of 48 credits. Open to Biology and Veterinary Science students or by permission of the instructor. **Meets the requirement for General Education, Science, Science for Biology, and Veterinary Science elective. Course offered: Fall.**

BIOL3500 Genetics 3 cr.

A survey course in genetics with an emphasis on vertebrates. The course reinforces past learning of cell division and the structure of chromosomes. Mendelian genetics and modifications to it, molecular basis of heredity, gene expression, heritability and population genetics will also be included. Prerequisites: One year of college biology or anatomy and physiology of domestic animals and CHEM1001/1002. This course assumes a prior knowledge of cell structure, cell division and a fundamental knowledge of DNA structure and function. **Meets the requirement for General Education and Science elective.** **Course offered: Fall.**

BIOL3520 Genomics 3 cr.

An introduction to the characterization and analysis of genomes, and an overview of how abnormalities of the human genome can cause or influence certain human diseases. A survey of the methods used to sequence genomes and identify diversities such as mutations, copy number variations, chromosomal rearrangements, and indels will be covered, as well as the bioinformatics tools used to analyze genomic data. Additional topics will include comparative genomics, human evolution, and epigenetics. Prerequisite: C or better in BIOL3500. **Meets the requirement for Science for Biology, and Veterinary Science elective.** **Course offered: Spring.**

BIOL4001 Research Methods in Science 3 cr.

This course provides an introduction to the field of research methods in the biological sciences to prepare students for the independent research that is required of them in BIOL 4500, Senior Seminar. Although the goal of this course is to develop skills necessary to propose and carryout independent research, this course is also appropriate for all students in the sciences seeking a better understanding of these methods for the evaluation of existing research. Prerequisite: MATH2200 or BIOL3200.

BIOL4200 Biotechniques 3 cr.

This course is designed to give the student exposure to laboratory techniques used in biological research as well as techniques commonly employed in diagnostic assays and forensics. The focus will be on three general areas: protein/enzyme analysis; immunoassays; and DNA analysis. Laboratory sessions will provide hands-on experience for the students in all three of these areas. Lectures will provide a general foundation in each area, the conceptual basis for each technique to be performed in the laboratory, and practical details on implementation. Prerequisite: BIOL3003 or CHEM3003. **Course offered: Fall.**

BIOL4500 Biology Seminar 3 cr.

This capstone course is designed to be flexible in format and content. Individual students or small groups choose a topic, design and conduct this approved project, and present their results to seminar participants and invited administrators and faculty. The seminar provides an enhancement to the biology major by broadening the student's horizon by research, discussions, and readings of topics in biology. An approach will be taken that will integrate students' perspectives of current research in biology and allow the students to delve into a selected area of biology. This approach will further develop research and critical thinking abilities and oral and written communication skills. Prerequisite: Senior status and completion of all Biology core courses or permission of professor. Prerequisite: BIOL4001. **Course offered: Fall.**

BIOL4901 Internship 3 cr.

The Preceptorship Program is a vocational experience in the area of the student's biological interest. The course is designed to provide a hands-on laboratory or research experience that integrates technical skills with academic knowledge in a variety of responsibilities and settings related to the student's specific concentration. Under the supervision of a preceptorship coordinator and facility supervisor, the student has the opportunity to individualize his/her internship experience in a certain discipline of biology for personal and professional development. Requires a minimum of 144 hours preceptorship. Prerequisite: Senior status and/or departmental permission. **Course offered: Fall, Spring.**

BIOL4902 Internship II 3 cr.

This course provides an opportunity for a student to broaden their preceptorship experience with additional hours of experience. Under the supervision of a preceptorship coordinator and facility supervisor, the student has the opportunity to individualize his/her internship experience in a certain discipline of biology for personal and professional development. Requires a minimum of 144 hours preceptorship. Prerequisite: BIOL4901. **Meets the requirement for Science elective for Biology.** **Course offered: Fall, Spring.**

CHEM1001 Chemistry I 4 cr.

An introductory general chemistry course with laboratory for students in the health professions or life sciences. Topics include measurement, the states of matter, energy, the nature of atoms, ionic and molecular compounds, chemical quantities and reactions, solutions, acids, bases, buffers, and gases. Note: A grade of C or better is required for graduation in the Nursing program. **Meets the requirement for General Education and Science elective.** **Course offered: Fall, Spring.**

CHEM1002 Chemistry II 4 cr.

A continuation of Chemistry 1001. The basics of organic chemistry and the fundamentals of biochemistry are covered. The application of biochemistry to the health sciences is emphasized. Some topics include functional groups, nomenclature and reactions of organic compounds, carbohydrates, proteins, lipids, and nucleic acids. Prerequisite: Chemistry 1001. **Meets the requirement for General Education and Science elective.** **Course offered: Fall, Spring.**

CHEM2100 Organic Chemistry I 4 cr.

This course introduces Organic Chemistry, with emphasis on the principles of broad classes of reactions. Topics will include bonding, physical properties, stereochemistry of alkanes, alkenes, alkynes, alkyl halides, alcohols and ethers, with an introduction to infrared and magnetic resonance spectroscopy. The laboratory will complement and expand on lecture topics. Laboratory safety will be emphasized. The organic reactions performed will be done in a microscale. Prerequisites: CHEM1001 and CHEM100. **Meets the requirement for General Education and Science elective.** **Course offered: Fall.**

CHEM2101 Organic Chemistry II 4 cr.

This course is a continuation of CHEM2100 and involves the chemistry of carbonyl groups and aromatic compounds. Emphasis will be placed more heavily on analysis and synthesis, as well as the relevancy to medicine, the environment, biology and society in general. The laboratory will again enhance and expand the lecture topics. Prerequisite: CHEM2100. **Meets the requirement for Science for Biology elective.** **Course offered: Spring.**

CHEM3003 Biochemistry 3 cr.

An introductory biochemistry course covering the structure and function of the major types of biomolecules and the primary metabolic pathways in mammalian organisms. Topics include: chemical and physical properties of proteins, nucleic acids, carbohydrates, and lipids; enzyme kinetics, inhibition, and mechanism; the pathway from DNA to proteins; membrane function and transporters; pathways for catabolism and biosynthesis of carbohydrates, amino acids, lipids, and nucleotides; pathway integration; regulation of metabolism by effectors and hormones; and bioenergetics. Prerequisites: BIOL-1001 & BIOL-1002 OR BIOL-2503 & BIOL-2504 AND CHEM-2100 AND CHEM-2101.

Course offered: Fall, Spring.

COMM1300 Communication in the 21st Century 3 cr.

The media and communication field is a constantly changing industry encompassing traditional media communications, digital communications, social networking, advertising, news and so much more. Almost every aspect of our daily lives is impacted in some way by communications. This survey course takes a look at various types of communications, the impact of communications and the future of media. Students will discuss how media impacts our culture, ethics, society, government and politics in the global environment. Prerequisite: none. **Meets the requirement for Communications elective.**

Course offered: Fall.

COMM2100 Digital Video Production 3 cr.

Introduction to Video Production is open to any student interested in the field of videography, new media, communications, visual arts, public relations, marketing, advertising, theatre or technical production. The course is designed to introduce the interested student to the basis of digital video production and post-production in the media, while stressing video composition methods, and the basic techniques of videography. The student will learn how to shoot and deliver compelling visual stories using a variety of capturing devices such as smart phones and camcorders, as well as post-production/editing software. Students will work individually or as part of a team to produce short video projects while exploring a variety of delivery methods, including web, mobile, and emerging new media. The course will also cover the history of film and television, scriptwriting, and the use of new digital media in the creation of videos. The class featuring hands-on, real world projects will require the students to be creative, responsible and professional. Prerequisite: none. **Meets the requirement for Communications elective. Course offered: Fall.**

COMM2700 New Media 3 cr.

This course will introduce students to all major facets of new media including news, social media, television, sports casting, magazine-style broadcasts and sites, reality TV, internet broadcasts, media sites and more. Through lectures, discussion, professional guests and field work the course will cover the evolution of media, content collection and creation plus distribution. Students will learn about gathering, writing, and copy editing for various media outlets including television, radio, Internet and newspaper. Prerequisites: CORE-ENGL or ENGL1001 and ENGL1003. **Meets the requirement for Communications elective. Course offered: Spring.**

CORE1001 Managing Transitions: Change as a Norm 3 cr.

This course is designed to give students an introduction to the Agile Mindset and to address the process of transition to college. This course emphasizes understanding the context of a situation from the college or university environment to the shape and structure of the industry in which the student chooses to major to understanding the economic, social, political, and environmental impacts of rapid changes in technology. In this course students will begin to construct their own career strategy through creation of a positive and engaged social media presence and the development and cultivation of a knowledge network. Students will also be introduced to modern student success skills including social media etiquette, information literacy, virtual collaboration, interdisciplinary collaboration, and cognitive load management. This course will emphasize the rapid changes in technology, social, environmental, political, globalization, and economic conditions that produce the ambiguity, uncertainty, and complexity that will define professional experience. Prerequisites: None. **Course offered: Fall, Spring.**

CORE-ENGL The New Normal: Exploring Unstructured Problems 3 cr.

This is a writing intensive course that uses language, visuals, and media to capture, express, and reflect on innovation and the problem solving process. The New Normal analyzes this process from problem definition to success criteria to ideation to solution selecting. It emphasizes the use of divergent thinking in both exploring unstructured problems or unclear situations and generating novel potential solutions. Prerequisite: CORE1001. **Course offered: Fall, Spring.**

NOTE: This course has been designed to meet the requirements of a traditional freshman composition course in addition to the Becker College Core. This course is approved as an equivalency for ENGL1001.

CORE1500 Managing Change and Navigating Unstructured Problems 3 cr.

This course introduces the student to the concept of the agile mindset and the importance of learning agility, including change agility, mental agility, results agility, and both self- and social awareness and management. This course will emphasize the rapid changes in technological, social, environmental, political, global, and economic conditions that produce the ambiguity, uncertainty, and complexity that will define their professional experience. In this course, students will investigate their industry and craft strategies for their career trajectory using social media tools. This course is project-based with a heavy emphasis on career explorations and interdisciplinary collaboration. This course replaces CORE1001 and CORE-ENGL for students transferring in with both ENGL1001 or its equivalent and 12 or more credits from another institution. This is a required course of all transfer students.

CORE3100 Developing an Entrepreneurial Mindset 3 cr.

In this communication-intensive course, speaking, writing, visuals and media will be used to develop an entrepreneurial mindset, uncover opportunities and create/capture value. Students will be introduced to qualitative research techniques, including observation, contextual interviewing, sense-making and journey mapping. Key concepts in entrepreneurship and social business will also be covered, as well as considerations of the rising automation that is reshaping how value is created and delivered. Prerequisites: CORE 1001 or 1500 and CORE-ENGL or ENGL 1001.

CPTR1100 Computer Programming I 3 cr.

Introduction to Programming, this course introduces principles of programming in an object-oriented environment. Topics include design and implementation of programs that use a variety of data structures, functions, and conditionals. Students will be expected to design, implement, and debug programs. Prerequisites: None. **Course offered: Fall, Spring.**

CPTR1400 Computer Programming II 3 cr.

This course will improve upon existing object-oriented programming skills and introduce new concepts in programming. Topics covered are classes/objects and constructors, overloading operators, strings, pointers, namespaces, encapsulation, and reading and writing files. Prerequisites: CPTR1100. **Course offered: Fall, Spring.**

CPTR2000 Systems and Architecture 3 cr.

The Systems and Architectures course is an introduction to the fundamentals of computer architecture, computer organization concepts and interactions with software. The course covers computer design and how architectural elements effect systems and performance. We will cover topics ranging from CPU, GPU and ARM architectures, VLSI, Memory and disk sub-systems, Operating Systems design and architectures, assembly and hardware operations, along with serial and parallel processing (including threads). Prerequisites: None.

CPTR2300 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: CPTR1400. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

CPTR2400 Database Management 3 cr.

Discusses the basics of database management, a critical element of all IT organizations. Databases are the foundation for operational/transaction systems and for management decision-making. Topics include types of databases and the database environment, database analysis and data modeling, database design with relational models (SQL and QBE), implementation issues including, data administration, data integrity, concurrent updates, and data security. This course includes introduction to distributed databases, data warehouses, stored procedures, triggers, data macros, and web databases. Prerequisite: CPTR1100.

CPTR2800 Information Security and Information Technology Fundamentals 3 cr.

This course will serve as an introduction to concepts and terms related to information technology as well as fundamental information technology principles key to the understanding and practice of information security. This will give the student a clear overview of the core elements of the Information Security business and much of the technology involved. **Course offered: Fall.**

CPTR2801 Information Security Threat Landscape and Attacker Motivation 3 cr.

This course will cover the types of attacks and threats which represent risk to information confidentiality, integrity and availability. Understanding the motivations and options available to attackers is of core importance to defensive concepts and communications about information security initiatives, gaps, and capabilities at the local, state and international level. Attacks may be from malicious amateur groups or individuals, organized crime syndicates or state level cyber intelligence agency looking to gather critical information or cripple key data infrastructures. Prerequisite: CPTR2800.

CPTR2802 Defending and Attacking Modern Networked Computer Systems 3 cr.

This course will introduce the technical and procedural components of an information security program that will assist in the mitigation of risks to information security. Students will learn hands on techniques to apply technical controls to address vulnerabilities. Learning to think like an attacker and knowing the tools and techniques of attackers is pivotal to designing and configuring IT security systems. Hands on experience will be gained in these tools and techniques that will enable the students to create countermeasures against hacking attacks. Prerequisites: CPTR2800 and CPTR2801.

REQUIREMENT – This course requires access to a Windows 7 or higher or Linux computer system with access to the internet.

Disclaimer – The techniques and tools described and demonstrated in this course should only be used with the **explicit permission** of the owners of information systems and within the context of the lab exercises provided only. These tools and techniques could represent violations of local, state, and Federal law as well as terms of service of network providers and employers.

CPTR3400 Data Warehousing 3 cr.

This course provides a comprehensive overview of data warehousing together with an in-depth treatment of planning, design, deployment, and ongoing maintenance issues. Students will gain a clear understanding of techniques for data extraction from source systems, data cleansing, data transformations, data warehouse architecture and infrastructure, and information delivery. Once the basic data warehouse principles and concepts have been established, the remainder of the class will be built around a group project where students build a functioning prototype of a data warehouse. Prerequisite: CPTR2400.

CPTR3600 Networking I 3 cr.

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. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

CPTR3801 Information Security Incident Handling 3 cr.

Information security incidents are a nearly inevitable part of the practice of information security. Dealing with these incidents in repeatable predictable manners with a goal of reducing the overall frequency and impact of security incidents is a key function of the information security role in an organization. During this course, the students will explore and demonstrate understanding of the following concepts. Prerequisite: CPTR2800.

CPTR3802 Business Communication for Information Security Professionals 3 cr.

Communications is the single most important skill of any professional in the information security field. The success or failure of Infosec projects and programs is entirely dependent on the ability of those involved to relate the importance of the program to business leaders in business terms and demonstrate successful execution based on business goals. This course assessment will include actual writing assignments in the format of executive presentation about a topic in security. It is recommended that students independently research a recent system or vulnerability and using templates and provided materials make a report on this topic targeted at senior management as an awareness case with a proposed mitigating control or system. Prerequisite: CPTR3801.

CPTR3803 Digital Forensics 3 cr.

This course will focus on computer and cyber forensics. Students will learn different aspects of computer and cyber-crime and ways in which to uncover, protect, exploit, and document digital evidence including information hiding, anti-forensics, and network forensics. Basic principles of digital media will be studied in order to understand how digital images, audio, and video can be manipulated and how such manipulation can be detected. Students will utilize different types of software and hardware, techniques and procedures to perform rudimentary forensic investigations. A major component of the course will be several hands-on exercises and a final team-based project. This course will incorporate collaborative and action-learning experiences wherever appropriate. Prerequisite: CPTR2800.

CPTR3804 Cryptography and Information Security 3 cr.

Cryptography is an indispensable tool for protecting information in computer systems. It covers techniques of storing and transmitting data in a particular form so that only those for whom it is intended can read and process it. Students will learn ciphers and coding devices used throughout history to encrypt and decrypt messages, modern cryptographic techniques, and cryptographic protocols for protecting information exchange. In addition, the students will learn properties of integer and prime numbers used for cryptography and the inner working of a random number generator. Prerequisites: MATH1200 or MATH 2001 or MATH 2200; CPTR 1100 or CPTR 2800.

CPTR4100 Machine Learning 3 cr.

The field of machine learning is concerned with the question of how to construct computer programs that improve automatically with experience. In recent years, many successful applications of machine learning have been developed, ranging from data-mining programs that learn to detect fraudulent credit card transactions, to autonomous vehicles that learn to drive on public highways. At the same time, there have been important advances in the theory and algorithms that form the foundation of this field. Theoretical properties of these algorithms and their practical applications will be covered. Machine learning algorithms to be studied include: decision trees, artificial neural networks, Bayesian learners, evolutionary algorithm, boosting and bagging techniques, computational learning theory, and PAC learnability. The course will also introduce students to Map Reduce algorithms for pattern discovery in massive unstructured data. Prerequisite: Successful completion of CPTR1100 or CPTR1400, and MATH2200, MATH2202, and MATH3305.

CPTR4600 Networking II 3 cr.

This course is a continuation of CPTR3600 and will present practical applications of software installation and network administration in a laboratory environment. Problem solving skills will be emphasized along with actual troubleshooting scenarios and students will be required to solve problems introduced on lab networks in order to strengthen their understanding of fundamental concepts, requirements and design tradeoffs, particularly as related to scheduling, congestion control, routing, wireless access and mobility, and applications. Students will be encouraged to study for certification exams. Prerequisite: CPTR3600. **Course offered: Varies.**

CPTR4801 Emerging Technologies and Implications for Information Security 3 cr.

Information security and IT in general is always changing and is often driven by consumer technologies outside of the corporate enterprise. Students in this course will be exposed to some of the new technology drivers impacting Infosec at this time and some of the near term challenges that will be faced by IT and Infosec departments in the years to come. Prerequisite: CPTR2800.

CPTR4802 Security Management and Policy Topics 3 cr.

Management of information security in a modern organization generally requires an established framework for day-to-day operations and continual improvement. Regulatory requirements dictate controls and audit guidelines in various industries. Students in this course will gain familiarity with these frameworks, requirements and concepts and demonstrate their understanding through course assignments. Prerequisite: CPTR2800.

DATA2001 Data Science Tools and Techniques 3 cr.

This course is an overview of Data Science – the science of iterative exploration of data that can be used to gain insights and optimize business decisions. The course introduces the foundational topics in Data Science, including introduction to Data Manipulation, Data Analysis with Statistics and Machine Learning, Data Communication and Visualization, as well as Scalability and Working with Big Data. Students will gain exposure to open source statistical tools that are quickly gaining in popularity and understand how to use them to extract, clean and explore datasets. Students will also use visualization tools similar to those used in industry. Students will also understand and get experience with secondary tools, required for Data Science projects, including using terminal access command line and versioning control. Prerequisites: MATH2200 or MATH2101 or CPTR1100.

ECON1200 Global Economics: Micro and Macro Perspectives 3 cr.

This survey of economics course is designed to introduce students to the fundamentals of resource usage from the personal, to the local, to the national, to the international. This course involves study of global consumption and sustainable resource usage including traditional concepts found in both microeconomics and macroeconomics including: supply and demand, markets and competition, prediction and costs, money and monetary policy, labor markets, financial markets, the role of banks, GDP, and international trade. This course will also cover emerging concerns such as income inequality (Gini Coefficient), minimum wage issues, the emerging contingent workforce and related social contract implications, the collaborative-sharing economy, the United Nations 17 sustainable development goals, global gender inequality index, and the proposed guaranteed minimum income. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

EDUC1001 Behavior and the Young Child 3 cr.

This course will explore normal and abnormal behavior and helping to change negative behavior to positive. It covers setting tones for behavior within the classroom structure, methods and recreations and working with parents to help them modify their child's behavior. Focus: infancy to grade two. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

EDUC1003 Principles of Education – see EDUC1010**EDUC1004 Experiences in ECE Curriculum 3 cr.**

This course will provide a foundation for early childhood concentration students in the curricular areas of Math, Science, Social Studies, and Language Arts. Students will learn how to develop materials to teach these curricula areas while implementing the Massachusetts Preschool Guidelines and Massachusetts Curriculum Frameworks. Lesson plan writing is also a major focus of this course. A 20-hour prepracticum provides field experience in preparing and executing activities discussed in class. **Course offered: Spring.**

EDUC1009 Introduction to Infant and Toddler Curriculum 3 cr.

Changes in society have greatly increased the number of infants and toddlers being cared for outside their own homes. Infants and toddlers must be given optimum opportunity for growth and development. Caregivers who care for these children must be educated and experienced in understanding children's needs and in setting up an environment responsive to these needs. They must recognize children's growth patterns so they can present materials and opportunities that encourage children to move to the next level of development. This course identifies characteristics unique to infants and toddlers and to promote standards of quality in child care programs. This course requires a 20 hour observation in an infant/toddler classroom. Prerequisite: PSYC1002 Developmental Child Psychology.

EDUC1010 Introduction to Early Childhood Education 3 cr. (Previously EDUC1003 Principles of Education 4 cr.)

This course builds a foundation of knowledge to help the prospective teacher in working with the child and the family. Goals of this course include learning to observe children, analyzing the NAEYC Code of Ethics, learning ways of appropriately guiding children, and developing an understanding of the nature of play. This course requires a 20-hour field-experience in a preschool classroom. **Meets the requirement for General Education and Social Science elective. Course offered: Fall.**

EDUC1201 Arts in Education 3 cr.

This course has been designed to encompass the fields of movement, music, and visual arts. Students will study Howard Gardner's theory of multiple intelligences and integrate this knowledge with the MA Arts Curriculum Framework in order to develop a comprehensive understanding of teaching the arts to children. Principles of planning well-balanced art, music, and movement, and physical education curriculum based on developmental levels from pre-K to 6 will be addressed. Imaginative, reflective and analytical thinking along with heightened perceptual awareness and respect for creativity in others will be stressed. **Course offered: Fall.**

EDUC2004 Administrating and Evaluating Programs Serving Children and Youth 3 cr.

This course is intended for future professionals who want to be directors of childcare centers. The goals of this course are to learn the skills needed to start and operate an early childhood center, understand the role of the early childhood director, identify skills needed to handle financial matters and demonstrate ways to effectively communicate with parents. **Course offered: Fall.**

EDUC2005 Foundations of Early Intervention for Infants and Toddlers 3 cr.

The primary purpose of intervention for young children with disabilities or children who are at risk for disabilities is to assist them in the acquisition of critical developmental skills so that they can achieve independent functioning across environments. This course provides a description of activity-based intervention (ABI), an approach that is specifically designed to help children reach their individual goals within the context of daily activities and familiar routines. Prerequisite: EDUC1009 Introduction to Infant and Toddler Curriculum.

EDUC2203 Diverse Learner in the Classroom 3 cr.

This course will provide students with fundamental background knowledge in the field of special education as well as current research on how students with various learning needs are served within inclusive school environments. Students will study the major physical, psychological, learning, and behavioral characteristics of children with special needs and the implications of these characteristics for effective instruction at the early childhood (PK-2) and elementary (1-6) levels. Prerequisite: PSYC1002 or PSYC1107. **Course offered: Fall.**

EDUC2405 Observing, Documenting and Assessing Young Children 3 cr.

Assessment is an integral part of the total picture of early childhood and youth education. Information gathered through informed observation and other ways guides the countless decisions at the heart of solid and appropriate instruction and intervention. Systematic and intensive assessment information collection informs instruction and promotes children's learning. Students will gain knowledge of both formal and authentic assessment techniques helping them to become competent teachers. Prerequisite: PSYC1002. **Course offered: Fall.**

EDUC2500 Practicum in Early Childhood Education 6 cr.

Three months (EEC) supervised field experience in a PK-K setting with a licensed teacher. The practicum qualifies the student to be a preschool level teacher (ages 2.9 to 4.9). It also satisfies a portion of the DESE practicum requirements for Mass. State Education Licensure. A grade of C or better is required for graduation. May only be repeated once. Prerequisites: 2.0 C. GPA. A grade of B or better is required for entry into the B.A. Psychology (ECE concentration) program. **Course offered: Fall, Spring.**

EDUC2700 Teaching English Language Learners 3 cr.

The purpose of this course is to prepare college students in elementary education preparatory programs with the knowledge and professional practice skills and strategies necessary to provide effective, comprehensible, accessible and differentiated sheltered content instruction to English Language Learners in their classroom. Students will increase their knowledge of the ELL population, including cultural and social considerations, second language acquisition theory (SLA), language and literacy theories, and current best practices in ELL instruction. They will also be introduced to the various educational reforms, such as the Common Core State Standards (CCSS), the World-Class Instructional Design and Assessment's (WIDA's) and the English Language Development (ELD) standards. Prerequisite: ENGL1003. **Course offered: Spring.**

EDUC2901 Infant/Toddler Internship 3 cr.

Students work in an infant/toddler setting (EEC approved) for three months. Weekly seminars on all aspects of teaching infants and toddlers. Prerequisites: 2.00 GPA and permission of the instructor. **Course offered: Spring.**

EDUC3000 Foundations in American Education 3 cr.

This course is intended to provide background knowledge in the social, philosophical, and historical foundations of education. The course will consider the social origins of educational ideals, significant historical contributions to educational philosophy, and various contemporary social concerns in American education. **Course offered: Fall.**

EDUC3101 Foundations of Literacy 3 cr.

This three-credit course is designed to provide a foundation in literacy/communication arts that is consistent with the Preschool Guidelines developed by the Massachusetts Department of Early Education and Care, the Massachusetts Curriculum Frameworks for English Language Arts, and the findings of the National Reading Panel. The course will focus on the central elements of children's language acquisition and literacy skills, identify effective approaches that foster language and literacy skills through appropriate curriculum strategies. Topics explored will include balanced literacy, value of read-aloud, phonemic awareness, phonics, vocabulary, fluency, and reading comprehension. Throughout the course, attention will be given also to assessment and diversification of instruction to meet varying student needs. Issues concerning dual language learners will also be discussed. **Course offered: Fall, Spring.**

EDUC3102 Literacy: Curriculum and Instruction in the Elementary School 4 cr.

In this course, the study of literacy is approached from a developmental perspective, beginning with emergent literacy and progressing through the more advanced stages of reading and writing to learn in the upper elementary grades. The focus of this course will be upon theories, instructional methodology, and current approaches and materials for literacy instruction in grades 1-6. Major emphasis is placed on awareness and application of the standards for instruction and assessment outlined in the English Language Arts Curriculum Framework. Note: There is a 40-hour prepracticum experience attached to this course. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL. A grade of B or better is required before enrolling in EDUC4201 & EDUC4202. **Course offered: Fall, Spring.**

EDUC3203 Mathematics and Science for Young Children 3 cr.

Students will be presented with an organized, sequential approach to creating a developmentally appropriate math and science curriculum for children ages 0 to 8. Students will apply best practices in teaching methods and about high quality materials available for classroom use. Embedded in the course will be the fundamental STEM concepts underling a young child's understanding of math, science, technology and engineering. For example, math concepts such as comparing, classifying, and measuring are simply called process skills when applied to science and engineering problems. The other science process skills (observing, communicating, inferring, hypothesizing) are equally important for solving problems in engineering, science, and mathematics. Students will learn to analyze the learning environment and develop high quality, engaging, and developmentally appropriate learning. This course is different from EDUC3306 Mathematics: Curriculum and Instruction in the Early Childhood School in that it includes science and addresses children ages 0 to 12. The focus is the Early Childhood Core Competencies and the Massachusetts Curriculum Frameworks. Prerequisites: PSYC1002 and MATH1200. **Course offered: Spring.**

EDUC3305 Mathematics: Curriculum and Instruction in the Elementary School 4 cr.

This is a required course for students working towards elementary teacher certification. It is designed according to national and state standards regarding mathematics instruction. Students will study theories of learning mathematics from a developmental perspective. They will practice preparing instructional activities and assessment techniques to meet the needs of diverse learners. Curriculum integration, problem solving and real-life applications for teaching math will be stressed. Note: There is a 40-hour prepracticum experience attached to this course. This course is open only to students who have achieved a passing grade in the Communication and Literacy Skills MTEL. A grade of B or better is required before enrolling in EDUC4001/4002. **Course offered: Varies.**

EDUC3500 Practicum II 6 cr.

This course requires students to complete a 300 hour practicum experience under the supervision of a Department of Early Education and Care licensed pre-school teacher. Students may choose a setting with children between the ages of birth to eight. Throughout the practicum students will develop leadership in their early education and care setting, use a problem solving approach in the application of theory to real life practice, collect and analyze data to inform practice, and reflect on their practicum placement. This practicum includes a one hour a week seminar with a college supervisor. Students are required to complete the practicum with a different age group than EDUC2500. Prerequisite: EDUC2500. **Course offered: Spring.**

EDUC3901 Education Internship 6 cr.

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 setting that services children, youth and families. This setting may be in a childcare setting, early intervention, Head Start, Boys and Girls Club, after school program, child or family advocate worker, parent educator, residential counselor, family services, Child Care Resource and Referral Agent, or Recreational Program Counselor. Other settings will be considered on a case by case basis. Students will complete 300 hours of direct service. Prerequisite: EDUC2500 Practicum in Early Childhood Education.

EDUC4100 Early Childhood Capstone 3 cr.

Students will be required to engage in independent research and prepare a presentation of their findings. Students will also complete a career portfolio. The portfolio will include:

- Philosophy of education: Student will clearly state thoughts, values, and beliefs that contribute to educational decisions.
- Self-Evaluation: Student will reflect critically on all Core Competencies and STEM using many examples and evidence to document how they are met.
- Journal Reflections: Student will demonstrate introspection and self-assessment.
- Professional Goals: Student will critically reflect on further professional development.

Prerequisites: EDUC2500 and EDUC3500. **Course offered: Spring.**

EDUC4201 Elementary Education Practicum 9 cr.

The 300-hour supervised classroom field placement in student teaching fulfills the second part of the Massachusetts Department of Education requirement for a practicum at the grade 1 through grade 6 level. The practicum includes: on-site supervision; planning, implementing and assessing activities with children; and individualizing for IEPs, special needs and planning for diversity at developmentally appropriate levels. Seminar will be taken concurrently and will reflect academic work pertinent to the elementary teacher. Prerequisites: Grade of B (3.0) or higher is required in EDUC3102, EDUC3305; and a passing score is required on the Massachusetts Tests of Educator Licensure (MTEL): Communication and Literacy to enroll in EDUC4201/4202. **Course offered: Fall, Spring.**

EDUC4202 Elementary Education Seminar 3 cr.

Students in this seminar, taken concurrently with the Senior Practicum, discuss current issues in elementary education, reflect on and evaluate their growth in the professional teaching standards, and develop a showcase teaching portfolio integrating the Professional Standards for Teachers, philosophy of education, lesson plans and units, and self-assessments. Resume writing and interview skills are also presented. **Course offered: Fall, Spring.**

ENGL1003 Writing about Literature 3 cr.

The second half of the freshman English sequence, this course will introduce the imaginative genres of literature: poetry, short fiction, drama, and/or the novel. The course centers on finding source information and incorporating such materials fairly and effectively into argumentative and persuasive writing. Prerequisite: CORE-ENGL. Transfer students must have successfully completed a composition course comparable to CORE-ENGL. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall, Spring.**

ENGL1006 Children's Literature 3 cr.

This course will provide a general overview of the field of children's literature. The goals of the course are to share and develop knowledge and enthusiasm for children's literature, to establish guidelines for evaluating children's literature, and to develop an awareness of the various types of children's literature. Course content includes the history of children's literature, the importance of literature in a child's life, ways to determine a child's literacy preference and ways to foster early literacy in children. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall, Spring.**

ENGL1500 Effective Communications 3 cr.

This course offers students structured practice in the basic principles of communication. Course work emphasizes effective and correct use of language in both traditional and electronic business/professional writing. Since "communication" encompasses far more than written expression, ENGL1500 also focuses on communications within a group, oral presentation, and critical listening and thinking skills.

Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall, Spring.

ENGL2003 Public Speaking 3 cr.

This course gives students training in the preparation of well-organized speeches, techniques for gaining and holding an audience, and methods to increase student confidence and poise. Students develop the skills to communicate effectively with others through practical experience in formal and semiformal speaking situations. Prerequisite: CORE-ENGL or ENGL1001. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall, Spring.**

ENGL2102 Advanced Composition 3 cr.

An advanced rhetoric course that emphasizes refinement of style and critical thinking with a view towards writing argumentative essays that depend on sound inductive and deductive reasoning. Many essays are assigned that go beyond CORE-ENGL. Prerequisites: CORE-ENGL and ENGL1003.

Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Fall, Spring.

ENGL2200 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: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL2201 American Literature II 3 cr.

The study of literary movements from Local Realists through the Contemporaries. Among the authors to be studied are: Twain, Harte, Pierce, James, Crane, Adams, Drieser, O'Neill, Anderson, Frost, Cummings, Robinson, Fitzgerald, Hemingway, Elliot, Faulkner and Miller. Students will analyze a variety of works and write essays. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL2202 Introduction to Drama 3 cr.

Theories and development of tragedy and comedy plays from Ancient Greece to the Modern Era. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Varies.**

ENGL2302 Short Story 3 cr.

This course provides a detailed study and analysis of American and European short fiction, leading to effective understanding of the basic elements of fiction: plot structure, point of view, characterization, symbol and allegory, and theme. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Fall.**

ENGL2405 Leadership and Literature 3 cr.

This course studies various forms of literature (novels, short stories, drama, nonfiction essay) as well as films all focused on the theme of leadership. By looking at different examples of moral, visionary, innovative and controversial leadership, we shall seek answers to some of the following questions: what are the characteristics and responsibilities of a leader? How might we define a just leader? Under what circumstances might a leader ignore the will of his/her subjects or employees? When and how does a leader become a tyrant or ineffective? And, by the same token, when are subjects justified in opposing or challenging a leader? What are the barriers for women and minorities in becoming leaders? Students shall also have the opportunity to investigate and analyze local and contemporary examples of leadership. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL2500 Mythology 3 cr.

A thematic survey of myth, including myths of Creation, the Flood, Destruction, the Hero, and others. Myths, legends, and fairy/folk tales from multiple cultures are examined. Writing intensive. Pre-requisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Fall, Spring.**

ENGL2600 Literature By Women 3 cr.

A full range of women's writings in English from the Middle Ages to the present day. Both standard and newly discovered authors will be studied. All genres - poetry, short fiction, drama, essays, journals, and novels - will be examined. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL2700 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 poem, Chaucer, Gower, Malory, the Cycle Plays, Skelton, Sidney, Shakespeare, Marlowe, Jonson, Webster, Marvel, Vaughan, Crashaw, Herrick, and Milton. Reading intensive, essay writing. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective.**

ENGL2701 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: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective.**

ENGL3006 Coming of Age in World Fiction and Film 3 cr.

This course is intended to examine the process of coming to maturity in a variety of world cultures: Europe, the Middle East, Asia, Africa, South America and the Caribbean, the United States. Short stories and novels will be linked with films from a world region or a country in order to analyze both similarities and distinctions about the growth of an individual identity in the context of a geographic and cultural region. Some of the topics to be considered in approaching coming of age within each work/country include: relationships with parents/guardians and notion of “home”; gender roles; community beliefs and values (politics and social realities, the outside world); peers and rebellion/turning points; romance & sexuality. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL3008 War in Literature and Film 3 cr.

9/11 is the defining experience for the generation coming of age in the first decades of our century. But wars have frequently shaped if not created the American experience. Seen from this broader perspective, wars are more than isolated long ago events; wars, rather, are a political and cultural phenomenon that clarify a nation’s identity ~ who we are or what we wish to become or to avoid. World War I, for instance, led to the disillusionment of Hemingway’s “lost generation.” The Vietnam conflict influenced the counter-culture movement still with us today. Through the study of novels, short stories, poems and films that depict war in the twentieth century, problems will be examined in representation, moral, and cultural history. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL3100 Obsession and Violence in Shakespearean Drama and Film 3 cr.

This course examines the profound cultural, social, religious, and gender anxieties of the half-century between 1580 and 1630, anxieties that were manifested in dramas by Shakespeare and his contemporaries; these plays are replete with violence, sexual assaults, murders. The readings will include cultural background to the dramas ~ the violence of royal power (Elizabeth I’s murderous road to succession, James I’s witch hunts), the obsession for control in matters of religion, morality, sexuality, and women. The texts of plays by Shakespeare and his contemporaries will also be paired for analysis of the influence of one dramatist on another, the treatment of the theme of violence and obsession. Film adaptations will serve to study the impact of changes made to a text when it is remade into film. Course work includes weekly papers, four online discussion forums on assigned topics, oral presentations, an annotated bibliography for a research topic, a longer paper (c. 20 pages) about one of the plays read and its relation to theatrical or cultural context. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL3205 Creative Writing 3 cr.

This 3000-level course focuses on analyzing imaginative literature and writing in the major genres in creative writing (fiction and poetry). The course is both a continuation and a development of the Freshmen English Sequence. In its reading component the course instructs students on paraphrase, imitation, explication, and analysis. In its writing segments the course emphasizes craft (plot, point of view, character), form (sonnet, free verse), and style (connotation, imagery, figures of speech). Students shall turn in three creative writing submissions as well as take unannounced quizzes, a midterm and a final examination on the assigned readings and lectures. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for Humanities and Game Design elective. Course offered: Spring.**

ENGL3206 Creative Nonfiction: Telling True Stories 3 cr.

This course focuses on analyzing as well as writing in the principal genres in Creative Nonfiction (autobiography, memoir, documentary writing, and cultural criticism). In its reading component this course instructs students on explication and analysis. In its writing segments the course emphasizes craft (narrative suspense, characterization, structure), technique (observation, interview, research), and style (rhetorical schemes, diction, syntax). Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall.**

ENGL3509 World Literature 3 cr.

This 3000-level course analyzes Western imaginative writing in the context of world literature. The course thus assesses thematic concerns of the Western canon (by writers such as Keats, Tolstoy, Hoffman), and of those in literature less often represented in literary assessments ~ works from the Middle East, the Far East, Africa, and Latin America by writers such as Tagore, Achebe, Garcia Marquez, and so on. The course, consequently, examines individual works of art as both a specific and singular meditation (upon a theme, topic, situation) and a response to predecessors and to contemporaries. In its evaluation of aesthetic and ethical concerns, the course emphasizes the permeability of cultures and broadens the student's sense of literary traditions. Students shall submit three written assignments as well as take unannounced quizzes, a midterm and a final examination on the assigned readings and lectures. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective.**

ENGL3704 Contemporary American Poetry 3 cr.

This course will concern the poetic practice, theories and trends of contemporary and American poetry and poetics, from 1945 to the present. Students will read and analyze the works of such major poets as A.R. Ammons, John Ashbery, John Berryman, Elizabeth Bishop, Robert Bly, Gwendolyn Brooks, Robert Creeley, Rita Dove, Allen Ginsberg, Donald Hall, David Ignatow, Galway Kinnell, Carolyn Kizer, Stanley Kunitz, Denise Levertov, Robert Lowell, Mary Oliver, Charles Olsen, Adrienne Rich, Sylvia Plath and Richard Wilbur. Students will also be expected to write numerous critical papers and attend local poetry readings during the summer. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL3705 African-American Poetry from 1945 3 cr.

African-American poetry from 1945 to the present including works by Hayden, Brooks, Evans, Walcott, Sanchez, Baraka, Clifton, Harper, Gilbert and Dove. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL3801 American Short Story 3 cr.

This reading and writing intensive course will deal with the American short story from a historical perspective as well as provide the student with a review of the aspects of fiction. The course will approach the American short story from a historical perspective beginning with the country's earliest practitioner, Washington Irving, and cover the major American authors who used and perfected the form. The course will also place the selections within the major literary movements and demonstrate how selected short stories are characteristic of or anticipate literary trends. The student will be asked to present papers on certain aspects of various selections after close reading of the texts and relevant scholarship. Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Varies.**

ENGL3802 African-American Novel 3 cr.

The rise and development of the African-American novel from the 19th through the 20th centuries beginning with its origins in the slave narrative and including works by Jacobs, Harper, Chesnutt, Dunbar, Toomer, Hurston, Wright, Petry, Ellison, Baldwin, Morrison, Walker and Wideman.

Prerequisites: CORE-ENGL and ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts elective.. Course offered: Varies.**

ENVS1001 Environmental Science I 4 cr.

A two-semester course for people with a non-science background. Provides a foundation for understanding the environmental problems we face and finding ways to solve them. Topics include: population dynamics, resource management, weather and the greenhouse effect, endangered species, geological hazards, and air and water pollution. The course includes field trips and laboratory work.

Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Fall, Spring.

ENVS1002 Environmental Science II 4 cr.

A continuation of ENVS1001. **Meets the requirement for General Education, Science, and Science for Biology elective. Course offered: Spring.**

EQST1001 Foundations in Riding I 3 cr.

This course is designed to introduce the student to the basic concepts of horsemanship and equitation. The course is directed at students with no or limited prior riding instruction. The course includes both lecture and in-saddle work (1 hour lecture and 2-2 hour labs). Students with previous riding experience may ask to test out of this course. An additional elective will then replace this course to maintain the credit load. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of \$1,000 for this course. **Meets the requirement for Equine elective. Course offered: Fall, Spring.**

EQST1002 Foundations in Riding II 3 cr.

This course is a continuation of EQST1001 with further development of riding skills and the improvement of seat, balance and the feel of the horse. Development of good riding technique is important before the student can go on to learn how to instruct. Students testing out of Foundations in Riding I, will still be required to take this course. The course includes both lecture and in-saddle work (1 hour lecture and 2-2 hour labs). Prerequisite: EQST1001 or permission of instructor. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of \$1,000 for this course. **Meets the requirement for Equine elective. Course offered: Fall, Spring.**

EQST1601 Foundation in Equine Care 3 cr.

An introduction to basic horsemanship. Students learn and practice fundamental skills such as handling of horses, assessment of basic horse behavior, feeding and grooming horses, cleaning of stalls, and general day to day horse care. Students are required to participate in a rotation through the barn during morning and afternoon chores. This course includes two hours of lecture and two hours of lab.

Course offered: Fall.

EQST2001 Principles of Riding Instruction I 3 cr.

This course includes basic equitation, with riding at all 3 gaits, transitions, and school figures. The student begins to learn how to teach a rider to maintain straightness, relaxation, rhythm and balance of the horse (2 hour lecture and 1-2 hour lab). Prerequisite: EQST1002. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of \$1,000 for this course.

Meets the requirement for Equine elective. Course offered: Fall.

EQST2002 Principles of Riding Instruction II 3 cr.

This course involves intermediate equitation, building on previous experience, including lateral movements and skills necessary to maneuver a jump course. Students begin to learn how to teach a rider to correct their horse and adjust to different situations. The basic differences between teaching an individual versus group lessons are discussed. The course will include lecture and riding time (2 hour lecture and 1-2 hour lab). Students may be required to assist in equitation and riding electives offered by the College. Prerequisite: EQST2001. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of \$1,000 for this course. **Meets the requirement for Equine elective. Course offered: Spring.**

EQST2200 Equine Industry and the Law 3 cr.

This course discusses local, federal and, where appropriate, international laws as they relate to the equine industry, including laws pertinent to boarding and training, veterinary care, equine transit and drugs and medication. Other topics may include humane care of animals and the differences between regulations and laws. **Meets the requirement for Equine elective. Course offered: Spring.**

EQST2801 Fundamentals of Farm and Stable Management 3 cr.

This course involves operation, application, and maintenance of the farm and stable, including maintaining feed and hay supplies and other barn inventories; management of stable employees, suppliers, vendors, professional services; waste management, and tack management; equine liability laws, equine insurance concerns, and employee and customer/client relations will be discussed. (2 hour lecture and 2 hour lab). Prerequisite: EQST1601.
Course offered: Fall.

EQST3100 Equine Behavior 3 cr.

Students develop an understanding of normal equine behavior, including how to influence it, and how to use it to advantage in training the horse. Prerequisite: ANSC1601 or BIOL1005, BIOL1006.
Meets the requirement for General Education, Science, Equine, and Veterinary Science elective. Course offered: Spring.

EQST3104 Special Topics in the Equine Industry 3 cr.

Discussion of specific industry rules and requirements that may not be actual law but are a crucial part of the equine industry regulation. Topics for discussion may include drug testing of horses, show and competition requirements for horse and rider, vaccination and transport paperwork. Prerequisite: EQST1601 or ANSC1400. **Meets the requirement for Equine elective. Course offered: Fall.**

EQST3200 Basic Training Methods 3 cr.

Students learn how to work with the young horse and re-school the older horse. Teaching basic manners, working in hand and on the lunge are a significant portion of the course. (2 hour lecture and 1-2 hour lab). Prerequisites: EQST1601, ANSC2701. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of \$1,000 for this course. **Meets the requirement for Equine elective. Course offered: Fall.**

EQST3701 Equine Biomechanics and Conformation 3 cr.

A detailed course in conformation and the movement of joints and muscles. Students will review musculoskeletal anatomy and learn about the principles of normal equine movement. Pathology associated with poor conformation and the methods to manage poor conformation will be discussed. The role of the farrier in treatment of conformational diseases and the ability of the rider to influence the horse's movement will be a part of the discussions. Prerequisite: ANSC2701 or BIOL1005, BIOL1006. **Meets the requirement for General Education, Science, Equine, Science for Biology and Veterinary Science elective. Course offered: Spring.**

EQST4200 Training Under Saddle 4 cr.

Students learn how to start a young horse under saddle, develop balance and athletic ability/conditioning in the horse and introduce new skills leading to eventual competition. (2 hour lecture and 2-2 hour labs). Prerequisite: EQST3200. Students who are not Equine Studies or Equine Management majors will be charged an additional fee of \$1,000 for this course. **Meets the requirement for Equine elective. Course offered: Spring.**

EQST4201 Equine Pathology and Diseases 3 cr.

This course presents an overview of the most common diseases specific to horses, how these diseases develop and may progress. Discussion of therapies and diagnostics is also included. Prerequisite: ANSC2701 or BIOL1005, BIOL1005, BIOL1006 or BIOL2502. **Meets the requirement for General Education, Science, Equine, Science for Biology and Veterinary Science elective. Course offered: Fall.**

EQST4500 Equine Facilities Management 3 cr.

This course is designed to be a follow-up to EQST2801. Discussion of information from the previous course expands to include planning, financing and construction of the facility, and operational concerns such as waste management, ventilation, fencing, and feed storage. The specific needs of different types of facilities such as breeding, boarding, and training will be addressed. Students taking this course will be required to prepare a working plan for management of a theoretical facility. (2 hour lecture and 2 hour labs). Prerequisite: EQST2801. **Meets the requirement for Equine and Veterinary Science elective. Course offered: Spring.**

EQST4906 Externship Module Ia 3 cr.

This course incorporates on-site training in the student's area of interest. The student will be required to fulfill 200 hours at a site chosen with the externship coordinator. While at this site the student will be expected to act in a professional manner as a representative of the College while she/he learns new skills and techniques. They will be required to write a comprehensive report at the end of the internship discussing the activity and knowledge gained at the site. Prerequisite: Senior status in the Equine Studies or Equine Management Program or advisor's and Dean or Chair's approval. **Meets the requirement for Equine elective. Course offered: Fall, Spring.**

EQST4908 Externship Module Ib 3 cr.

Same as EQST4906. Prerequisite: Senior status in the Equine Studies Program or advisor's and Dean or Chair's approval. **Meets the requirement for Equine elective. Course offered: Fall, Spring.**

EXSC1205 Health and Fitness Skills 3 cr.

This course focuses on the basic concepts of fitness, exercise and conditioning. Students will participate in a wide variety of health and fitness assessments and physical activities to improve health and fitness levels. The course emphasizes the development of exercise skills and understanding exercise terminology and prescription, and introduces concepts related to teaching fitness skills to the general population. **Course offered: Spring.**

EXSC1500 Stress Management 3 cr.

This course helps students to understand how events and activities of daily life can be perceived as stressful, causing negative effects on one's health and well-being. It encourages students to discover their own personal sources of stress, their reactions to stress, and ways to better manage it. Concepts are applicable to education, sports, agency, and corporate settings. **Meets the requirement for Sport Management, Health, and Psychology elective. Course offered: Fall, Spring.**

EXSC2105 Teaching Sports Skills 3 cr.

This course focuses on the concepts related to organizing, implementing and teaching individual and team sports. Students will participate in a wide variety of sports and activities with emphasis on skill development as well as theory. The benefits of team and individual sports in personal health as well as in the corporate environment will be emphasized. This course involves activities outside of the traditional academic schedule, integrating lecture as well as skills lab. This course does NOT meet the requirement for an EXSC approved elective for students in the SPMG program. **Course offered: Fall, Spring.**

EXSC2202 Emergency Responder 3 cr.

The purpose of the comprehensive American Red Cross Emergency Response course is to provide the first responder with the knowledge and skills necessary in an emergency to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until more advanced medical help can arrive. **Meets the requirement for General Education, Science, and Health elective. Course offered: Spring.**

EXSC2203 Personal and Community Health 3 cr.

This course is designed as an introductory course to provide students with information in the following areas: exercise, stress, nutrition, weight management, contraception, sexuality, intimate relationships, death and dying, HIV infection, STDs, tobacco drugs, and alcohol. **Meets the requirement for General Education, Science, Health, and Psychology elective. Course offered: Fall, Spring.**

EXSC2204 Fitness for Life 3 cr.

This course introduces the student to the many components of physical fitness and wellness. Each student will have the opportunity to participate in discussions and activities that can help them assess their own level of fitness and its relationship to wellness. Course materials enable the student to initiate his or her personal healthy lifestyle program. Lecture topics include: health promotion and disease prevention, physical fitness, weight management, adaptation to the aging process, and personal safety. **Meets the requirement for General Education, Science, Health, and Sport Management elective. Course offered: Fall.**

EXSC2205 Structural Kinesiology 3 cr.

This course introduces basic mechanical concepts related to human movement. Through lecture and laboratory activities, the student studies the skeletal anatomy, structure and function of the joint, voluntary (skeletal) muscle, and muscle group involvement in selected activities. Emphasis is on normal human structure and function, but abnormal movement leading to athletic injuries is also addressed. **Meets the requirement for General Education, Science, and Sport Management elective. Course offered: Fall.**

EXSC2705 Advanced Personal Trainer 4 cr.

This course is specifically designed to prepare students who seek certification (although it is optional) from the national recognized organizations such as the National Council of Strength and Fitness (NCSF) and American College and Sports Medicine (ACSM) as (advanced) personal trainer. The course helps students building up the foundation for study in a wide range of Health and Fitness related fields, such as exercise physiology, biomechanics, and nutrition. Particular attention is placed upon the applications of structural kinesiology to a variety of exercises. The assessment and prescription in health and fitness are also introduced. Prerequisite: EXSC2205. **Meets the requirement for Sport Management elective. Course offered: Spring.**

EXSC3105 Nutrition 3 cr.

This course helps students to understand the processes involved in nourishing the body. It includes the study of nutrients, their physiological functions, and their interrelationship within the body. Course content and materials focus on the importance of making food choices that minimize the risks of developing nutrition-related diseases. The course uses the United States Department of Agriculture's most current Dietary Guidelines for Americans in order to help students identify the characteristics of a nutritious diet. This course also offers opportunities for students to examine and discuss the value of and scientific basis for consuming various dietary substances promoted in the media. Examples include antioxidants, dietary supplements, and ergogenic aids. Prerequisite: Sophomore standing. **Meets the requirement for General Education, Science, Sport Management, Health, and Science for Biology elective. Course offered: Fall, Spring.**

EXSC3201 Consumer Health 3 cr.

This course is designed to help people make informed decisions regarding their evaluation and understanding of health products and services. Some topics to be covered include health insurance, food buying, quacks, fad diets and understanding the misconceptions concerning health. **Meets the requirement for General Education, Science, Sport Management, and Health elective. Course offered: Spring.**

EXSC3205 Drugs and Society 3 cr.

This course exposes students to biopsychosocial models used to explain substance use, abuse, dependency, and addiction. Students gain an understanding of genetic, physiological, and neurobiological factors contributing to alcohol use and abuse, as well as familiarity with the impact of these behaviors on the individual, the family, and the community. Specific attention is given to the roles of gender, age, culture and religious training as they relate to pattern of use. **Meets the requirement for General Education, Science, Social Science, Interactive Media Design, Sport Management, Health, and Psychology elective. Course offered: Fall, Spring.**

EXSC3300 Exercise Physiology 4 cr.

Through classroom lecture and laboratory activities, this course provides students with an opportunity to observe and discuss the acute responses and chronic adaptations of the human body to physical activity. Mechanisms of neuromuscular, metabolic, cardiorespiratory control and adaptation during and after exercise activity are emphasized. The environmental influences on human performance and health related aspects of exercise are also discussed. Prerequisites: BIOL2503 and BIOL2504. **Meets the requirement for General Education, Science, Sport Management, and Science for Biology elective. Course offered: Spring.**

EXSC3500 Human Sexuality 3 cr.

The cultural, psychological, ethical and biological aspects of sexuality are examined. The focus of this course is the multiple roles which include a component of sexuality education as a component of human health and wellness. Students examine their own views regarding sexuality in order to prepare them to function more effectively within those roles. **Meets the requirement for General Education, Science, Sport Management, Health, Science for Biology, Psychology, and Social Science elective.**
Course offered: Spring.

EXSC4105 Principles of Strength and Conditioning 3 cr.

This course integrates the knowledge and skills acquired in previous courses which are essential to become a Certified Strength and Conditioning Specialist. Students will learn the latest scientific principles and theories and understand the purpose of using correct forms of exercise, different arrangements of training system, and principles of periodization. Upon completion of this course, students will be able to design sound personalized strength and conditioning programs for athletes of all types for various sports. Prerequisite: EXSC2705. **Course offered: Fall.**

EXSC4205 Lifespan Motor Development and Learning 3 cr.

The aim of this course is to provide students with an introduction to basic physiological, psychological and biomechanical foundations of human motor control. The main goal is to provide an overview of the mechanisms of how we control our movements, how perception and movement are integrated, how aging affects motor control, and how new movement patterns are acquired during skill acquisition and motor development. Prerequisite: EXSC2205. **Course offered: Spring.**

EXSC4800 Assessment & Prescription in Health & Fitness 4 cr.

This is an advanced health and fitness class. This course covers thoroughly the process of assessment and prescription in health and fitness. Students will learn how to use relevant fitness testing equipment, learn the guidelines and protocols for safe and effective exercise testing for normal and special populations, and learn how to prescribe appropriate exercise programs according to individual needs. The course will emphasize application and hands-on activities and use varied methodologies, such as laboratory activities, case studies, and course projects (or community service). Prerequisite: EXSC2705. **Meets the requirement for Sport Management elective. Course offered: Fall.**

EXSC4918 Internship in Health and Fitness 3 cr.

The primary purpose of the practicum experience is to expose the students to “real world” work experience. Arrangements will be made for the student to work and function within one or more related sites of their interest, such as health and wellness clubs, corporate and commercial fitness facilities, clinical rehabilitations, community health service programs, or work with certified strength and conditioning coach (or athletic trainer) in sports teams. The field experience will be paired with seminars, which will provide students with an opportunity to discuss and share their experiences. A minimum of 140 intern hours are required. These intern hours include the field experience, seminar, and any related activities, such as designing program or research, conducted at home or library. Prerequisite: approval of the program director. **Course offered: Fall, Spring.**

FORE2001 Introduction to Forensics 4 cr.

An introduction to the field application of biology, chemistry, and physical sciences to the examination/collection methods of forensic evidence at a crime scene. Exploration of the underlying physiological and biochemical basis for forensic methods; laboratory analysis includes microscopy, chromatography, hair, fingerprints, serology and introduction to DNA profiling. A grade of C or better is necessary for graduation in the Forensic Science/Crime Scene Investigation concentration. **Meets the requirement for General Education, Science, Criminal Justice, and Science for Biology elective.** Course offered: Spring.

FORE2002 Collection/Preservation of Evidence 4 cr.

A continuation of FORE2001. Continued exploration into examination and collection methods used to identify evidence of criminal activity, including chemical techniques for developing fingerprints, blood isozymes, PCR for DNA profiling, drug identification and ELISA. Prerequisite: FORE2001. A grade of C or better is necessary for graduation in the Forensic Science/Crime Scene Investigation concentration. **Meets the requirement for General Education, Science, Criminal Justice, and Science for Biology elective.** Course offered: Fall.

FORE2400 Forensic Psychology 3 cr.

This course considers the range of topics that are of concern both to psychologists and members of the legal profession. Many legal issues involve questions that are psychological in nature, referring to human behaviors and/or mental processes. For example, what factors are influential in the decisions made by juries? To what extent are eyewitness identifications reliable? When is a confession voluntary? When is a criminal defendant competent to stand trial? When may a criminal defendant be considered insane? What types of psychological defenses can a criminal defendant use in court? What issues are important in the treatment of the mentally ill? How much discretion should judges have in criminal sentencing? Psychology offers a new approach to these types of issues, based on scientific research and empirical knowledge. In this course we will investigate how psychologists work within the legal system as social scientists, consultants, and expert witnesses and how psychological theories, research data, techniques, and methods can enhance and contribute to our understanding of the judicial system. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective.**

FORE2405 Correctional Psychology 3 cr.

Correctional psychology refers to the application of psychological research and theory to the field of corrections. This course will consider theory and research relevant to the following areas: perceptions of offenses and offenders, offender treatment and recidivism, and the responsibilities and occupational challenges facing correctional officers. This course will explore social judgment and decision-making within corrections in the context of interrogations, plea negotiations, sentencing, and parole. Students will also examine the efficacy of a restorative justice approach to correctional issues, including initiatives focused on improving the functionality of prisons, repairing the victim-offender relationship, and decreasing recidivism. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Criminal Justice elective.**

FORE3100 Criminal Investigation 3 cr.

Examines the evolution of the investigative process. Interviewing and interrogation techniques will be studied, along with gathering and organizing information and evidence. Areas of study will include crimes against persons, crimes against property, enterprise crimes, technology crimes, and terrorism. The use of critical thinking and analytical skills, within the framework of the investigative process, will be emphasized. **Meets the requirement for Criminal Justice elective.** Course offered: Spring.

FORE4400 Criminal Minds 3 cr.

This course provides opportunity to study of the psychological bases and dynamics of criminal behavior. Topics to be discussed include the "antisocial personality"; the "psychopath"; psychosis and crime; alcoholism and drug abuse; the adolescent offender; the female offender; and "sex" offenders.

Prerequisite: PSYC3400. **Meets the requirement for General Education, Social Science, and Criminal Justice elective.**

GAME1001 History of Game Development 3 cr.

This course covers the history and evolution of electronic game development, focusing on design elements, technical innovations, societal influence, and the impact of marketing. The course will dissect the roles of programmers, designers, artists, and writers, as well as provide an overview of various software and hardware developments for the gaming industry. Students will gain a global and historic view of the interactive media field and its origins. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME1120 Introduction to Game Design 3 cr.

This course serves to introduce the various aspects of game design for those intending to work as part of management, production, and/or design teams. The student will begin with an analysis of gaming, with consideration of various platforms, game genres, playability, objectives, rule dynamics, and overall quality. Further, the student will learn the elements of production including game conceptualization, story development, and interface, character, and soundtrack, and level design. **Meets the requirement for Interactive Media Design elective. offered: Spring.**

GAME1130 Examining Play 3 cr.

This course will cover how playing video games affects the brain and how players respond to different forms of interaction. We will cover how exactly games affect mood and emotion as well as what kind of skills you learn in-game that you can bring into the real world. Students will also study various types of play, and how players react to events and triggers in games. Ultimately students will learn how they can use this knowledge to make better, more interesting and more impactful games. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GAME 2001 Game Pitch and Design Documents 3 cr.

In this class students will learn how to craft high quality game design documents as fundamental design aids for memory and communication as well as how to create and deliver effective verbal pitch statements based on design document contents. Prerequisite: GAME1120. **Meets the requirement for Interactive Media Design elective.**

GAME2100 Effective Design Strategies 3 cr.

This course will prepare students to work in development teams through in-depth analysis of the development process including all phases of the design pipeline. The course will cover generating and refining ideas, determining effective user interaction, and interpreting and implementing user feedback. Course work will include analysis of games through the lens of the player and the developer, as well as group discussions and team projects. **Meets the requirement for Interactive Media Design elective.**

GAME2105 Literary Development of Virtual Worlds 3cr. (previously GAME4120 Literary Development of Virtual Worlds)

This course looks at traditional storytelling and literary development. Students will then apply classical techniques to the development of virtual worlds, both through non-linear narrative and 3D deployment of literary creations. Prerequisites: CORE-ENGL, ENGL1003 and GAME1001. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GAME2110 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. Prerequisite: ARTS1100 or GAME1120. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME2115 – Raster and Vector for Games 3 cr.

This course will introduce Game students to Adobe Photoshop and Illustrator. Students will learn the differences between Raster and Vector images and the appropriate uses for each. Students will gain a full understanding of the interface and tools in the software. The course will cover the uses of these two programs throughout the game development process. Topics include creating sprites and sprite sheets, tile sets, painting UV maps, creating textures, creating title and menu screens, and digital painting. Prerequisite: ARTS1100 and ARTS1301. **Meets the requirement for Interactive Media Design elective.**

GAME2120 Intermediate Game Development 3cr.

This course introduces students to more advanced concepts in game design and development such as ideation, digital prototyping, interface design, usability testing, team work, project scoping and management. The main emphasis of the class is on the conceptualization of innovative design goals and the execution of those goals in the form of a complete, polished intermediate game project. Prerequisite: GAME 2110 or Game 1120. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME2125 Digital 3D Modeling 3 cr. (previously GAME3120 3D Modeling)

This course covers the principles and techniques involved in creating 3 dimensional media. Students will learn the step by step process of 3D graphics including modeling with NURBs, polygons, and subdivisions using sophisticated 3D software such as Maya. They will also acquire skills in texture design and UV Mapping skills, lighting, scene setup and rendering. Prerequisite: ARTS1100 or ARTS1301. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GAME2135 Texturing 3 cr.

Using a combination of 2D and 3D graphics applications, students will learn to create textures that are mapped onto real-time 3D models. A variety of visual styles as well as procedural texturing will be covered. Prerequisites: GAME2125 and *either* GRPH2130 *or* GAME2115. **Meets the requirement for Interactive Media Design elective.**

GAME2150 Environment Art 3 cr.

Environment Art is a specialization within game development which straddles the line between modeling and level design. In this course, students will learn to build art assets such as modular architectural components and reusable landscape models, then construct full real-time environments in a commercial game engine. Prerequisite: GAME 2125. **Meets the requirement for Interactive Media Design elective.**

GAME2170 Scrum Management – see GAME3175 Agile Project Management with Scrum

GAME2175 Software Engineering Life Cycle 3cr. (previously GAME3170 Game Production and Prototyping)

This course teaches the fundamental principles and strategies of game production and prototyping, allowing the student to assume the role of project producer. Students will learn the core elements of game assembly, project management, development tracking and troubleshooting. They will become familiar with the procedures necessary for successful game development, from the conception stage and on through the implementation stage, covering the various technologies prevalent in the game design industry. Production focus will be on prototyping, planning, implementation, testing, and tracking across financial and technological constraints. Prerequisite: GAME1120 or MGMT1000. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME2301 Organic Modeling 3 cr. – see GAME3305 Digital Organic Modeling

GAME2302 Real-Time Lighting, Shading, and Rendering 3 cr. (previously Rendering & Compositing)

This course covers the techniques involved in preparing 3D models for the rendering process. Students will design complex shading networks, explore various light types and attributes, and build lighting rigs common to the animation, visual effects, and gaming industries. Additionally, tools and concepts related to the compositing process are explored including the utilization of render layers and render passes. Prerequisite: GAME2125. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GAME2400 Storyboarding Animation – see GAME2110 Storyboarding Animation

GAME2701 Digital Audio Production 3 cr.

This course explores the fundamentals of the medium of sound and processes of sound-design, with the goal of understanding, articulating, and creating audio assets for games. Through demos and creative projects, students will experiment with the essential building blocks of sound and explore audio principles such as acoustics and perception, the use of microphones and digital recording hardware, editing, signal-processing and mixing using ProTools, Foley recording and sound-effect production, sampling and MIDI, audio synchronization to video, and applications of audio assets in digital-media and game development. The course sets a solid foundation for the understanding of sound while developing a strong toolset for working within the medium. This course meets the requirements for a Game Design or Game Programming elective. No previous experience with sound or music is required. Prerequisites: GAME1001 or GAME1120. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME2702 Digital Music Studio 3 cr.

This course explores the world of MIDI and sound-design through virtual-instruments and synthesized techniques. Through demos and creative projects, students will learn essential building blocks of synthesized sounds by using virtual-instruments in ProTools, interfacing MIDI controllers with software, creation of sound-effects through synthesized means, basic rhythmic and tonal music theory, and the creation of musical assets for games. The course sets a solid foundation for the understanding of sound-design and a historical context for the field of Game Audio, while developing a strong toolset for working within the medium. This course meets the requirements for a Game Design or Game Programming elective. No previous experience with sound or music is required. Prerequisites: GAME1001 or GAME1120. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GAME2703 Music Theory 3 cr.

This course explores the fundamentals of music theory, with the goal of understanding and creating music for games. Topics cover the fundamentals of music theory including rhythms, scales, intervals, chords, keys, harmony, and modulations. Composition concepts are also introduced and explored. The course sets a solid foundation for the understanding and application of musical terms and structures in the development of game audio, and a historical context for game music. This course meets the requirements for a Game Design or Game Programming elective. No previous experience with sound or music is required. Prerequisites: none. **Meets the requirement for Interactive Media Design elective.**

Course offered: Spring.

GAME3001 Game Industry Trends 3 cr.

This course will analyze trends in popular culture both in and out of the scope of the video game industry. By gaining a broad understanding of how trends evolve and change within the entertainment industry, students will better be able to anticipate market changes and develop games for targeted audiences. This course will also focus on tracking and discussing new and evolving technologies as well as current events in the entertainment industry. Prerequisites: GAME1001 and GAME2001. **Meets the requirement for Interactive Media Design elective.**

GAME3105 Writing for Fantasy & RPGs 3cr.

This course covers the broad palette of fantasy and its sub-genres, genre- and lore-appropriate game-text, character development within fantasy, world development within fantasy, writing within the constraints of game development tools, traditional narrative storytelling, cinematic scripts, voiceover scripts, dialogue and narrative, writing specs, writing proposals, writing for established intellectual properties, and analysis of existing games. Prerequisite: GAME2105. **Meets the requirement for Interactive Media Design elective.**

GAME3111 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.

Prerequisite: GRPH2130 or GAME2115. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GAME3120 3D Modeling 3 cr. – see GAME2125 Digital 3D Modeling**GAME3130 3D Animation 3 cr.**

This course covers the techniques involved in animating 3D models in 3D scenes utilizing sophisticated software such as Maya. Students will learn the process of creating and building a 3D scene from objects, lighting placement, and camera manipulation. Furthermore, the animation of characters including model skeleton building, rigging, and key frame animation will be covered in detail. Prerequisite: GAME2125. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GAME3135 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. Prerequisite: CPTR2300.

Meets the requirement for Interactive Media Design elective. Course offered: Fall.

GAME3145 Game Programming II 3 cr.

This course focuses on the subject of game programming using a third party 3D game engine to provide a uniform interface for audio, 3D visuals, and device input. Students will use open source multi-platform, tools and game libraries, such as those available in Torque to produce platform independent code. Students will also have the opportunity to interact with the online game programming community to further develop their skills. Prerequisite: CPTR2300. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GAME3150 Level Design 3cr.

This course teaches the concepts and skill sets involved in creating successful levels within any game format. Emphasis will be given to integrating levels within a given game design, construction guided by balance and rhythm, and approaches for handling technical and environmental limitations. Students will develop levels for existing game engines as well as utilizing original game aesthetics. Prerequisite or Corequisites: GAME2110 or GAME2120. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GAME3160 Digital Cinematography 3cr. (previously GAME3160 Machinima)

This course covers the technical aspects of working within the challenging medium of digital audio and video production. With a focus on using non-linear editing methods, students will be able to take full advantage of digital editing processes utilizing the latest in audio and video software such as Sound Forge, Adobe Premiere, and Adobe After Effects. Students will cover all aspects of the production process including audio and video recording and capturing, digital editing of sound and video, special effects generation, and final preparation for use in interactive media such as DVDs, advanced video games, and the World Wide Web - each with its own technical and production requirements. Prerequisite: GAME2110. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GAME3170 Game Production and Prototyping 3 cr. – see GAME2175 Software Engineering Life Cycle**GAME3175 Agile Project Management with Scrum 3 cr.**

In this course, the student will learn how to apply Agile and Scrum techniques to manage software and interactive media development projects. Through immersive and evolving case studies and other activities, the student will acquire the theory, practical knowledge and skills to plan, manage and close a software/game development project. Prerequisite: GAME2175. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME3180 Principles of Motion Capture 3 cr.

This course focuses on principles and techniques related to producing, editing, and rendering of motion capture information. Both pre-recorded and live motion capture data will be utilized throughout the course. General animation project discussions will take place focusing on the various considerations and processes for leading and supervising an animated project. Prerequisite: GAME3130. **Meets the requirement for Interactive Media Design elective.**

GAME3210 Virtual Reality in Gaming 3 cr.

This course is an advanced level exploration meant for Interactive Design and Programming majors, focusing on the virtual reality experience as it applies to interactive development, covering the history of VR approaches, practical applications, typical challenges, and current trends in gaming. This course specifically explores the use of VR headsets, as well as other newly developed input devices, for the purposes of creating engaging, immersive interactive experiences. Both the technical and design side of working within this medium will be addressed. Prerequisites: two semesters of GAME3900 or GAME3901. **Meets the requirement for Interactive Media Design elective.**

GAME3220 Mobile Game Production 3 cr.

This course explores the unique characteristics of developing and designing interactive media and games for mobile devices. Students will learn the various hardware and software appropriate for this platform as well as how to evaluate and address the challenges inherent in the technology. Lessons addressing the global audience as well as the rapidly expanding reach and influence of this dynamic distribution platform will be integral to the practical application of mobile development throughout the course. Prerequisites: two semesters of either GAME3900 or GAME3901. **Meets the requirement for Interactive Media Design elective.**

GAME3302 Rigging for Animation 3 cr.

This course covers the techniques involved in preparing 3D models for the animation process. Students will design efficient and intuitive rig systems using popular industry tools such as bones, joints, control objects, and constraints. Furthermore, the process of skinning and application interoperability will be explored. Prerequisite: GAME2125. **Meets the requirement for Interactive Media Design elective.**
Course offered: Fall, Spring.

GAME3305 Digital Organic Modeling 3 cr. (previously GAME2301 Organic Modeling)

This course covers the techniques involved in building organic 3D models using industry standard modeling-specific applications. Emphasis is placed on human and non-human figure study, its importance the modeling process, and the utilization of application tools for an efficient production pipeline. Methodologies for building animation-ready assets from concept sculpts will also be explored. Prerequisite: GAME2125. **Meets the requirement for Interactive Media Design elective.** **Course offered: Fall, Spring.**

GAME3400 Visual Effects 3 cr.

In this course students will learn to create real-time visual effects, using effects tools within a commercial game engine. Topics covered include development of different styles of effects, particles, texture and material creation, and timing. Prerequisites: GAME2115 and GAME2125. **Meets the requirement for Interactive Media Design elective.**

GAME3701 Music Composition for Games 3 cr.

The course explores advanced game music production concepts and techniques. Topics cover scoring, arranging, and orchestration. Adaptive and non-linear audio concepts are introduced in the context of gameplay, as well as subjects such as looping, branching, and randomization, transition matrices, algorithmic operations, and creating multi-layered stems. Concepts are introduced and explored through applied creative projects. Historical context is given within the development of game music.

Prerequisite: GAME2703. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GAME3702 Sound-Design Toolbox 3 cr.

This course surveys advanced sound-design tools and software used by professionals in the industry and expands upon skills from Digital Audio Production and/or Digital Music Studio. Numerous synthesis techniques and procedures are covered such as advanced analog emulation and subtractive synthesis, FM, wave-table, granular, and semi-modular synthesis, physical modeling, software samplers, and signal processing through effects. Tools created by independent designers will also be implemented and critiqued. Students will use these tools for advanced sound production and the development of audio assets for games. Prerequisite: GAME2701 or GAME2702. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME3900 Game Studio 3cr.

This course is to be taken by Game students enrolled in a Game Studio: Art, Audio, Design, Production or Programming section. The course is centered on an instructor guided project which may include serious games, simulations, artistic installations, entertainment, or new technological exploration. The course will provide a hands-on development environment for a formal interactive title to be released. Students will gain experience working as part of a game studio team with various departments, leads, development infrastructure, and real-world demands. Students are required to take this course multiple times during the course of their degree program. Prerequisite: GAME1120; specific lab sections may carry additional prerequisites. **Meets the requirement for Interactive Media Design elective.**

GAME3900L Game Studio Lab: Art

This lab section is to be taken by Game Art students who are concurrently enrolled in Game Studio. The lab serves to provide a directed learning experience to supplement the practical applications utilized within the Game Studio project. Students will work together to diagnose, analyze, develop, assess, and implement visual art solutions including concepting, user interface design, 2D and/or 3D asset creation, animation, and preparation for the production pipeline using gaming based best-practices. Prerequisites: ARTS1100 or ARTS1301. **Meets the requirement for Interactive Media Design elective.**

GAME3900L Game Studio: Audio

This lab section is to be taken by Game Audio students who are concurrently enrolled in Game Studio. The lab serves to provide a directed learning experience to supplement the practical applications utilized within the Game Studio project. Students will work together to diagnose, analyze, develop, assess, and implement aural solutions including the creation of concept audio scapes, as well as game-ready foley sounds, sound effects, voice/dialogue audio, ambient sound, and game scores using gaming based best-practices. Prerequisite or Corequisite: GAME2701 or GAME2702 (may be taken concurrently). **Meets the requirement for Interactive Media Design elective.**

GAME3900L Game Studio Lab: Design

This lab section is to be taken by Game Designers (including game writers) who are concurrently enrolled in Game Studio. The course serves to provide a directed learning experience to supplement the practical applications utilized within the Game Studio project. Students will work together to diagnose, analyze, develop, assess, and implement design solutions from concept to prototype using gaming based best-practice. **Meets the requirement for Interactive Media Design elective.**

GAME3900L Game Studio Lab: Production

This lab section is to be taken by Game Production students who are concurrently enrolled in Game Studio. The lab serves to provide a directed learning experience to supplement the practical applications utilized within the Game Studio project. Students will work together to diagnose, analyze, develop, assess, and implement production and management solutions for organizing a project and team, creating and maintaining the production schedule, facilitating interdepartmental communication, and directing the project using gaming based best-practices. Prerequisite or Corequisite: GAME2175 (may be taken concurrently). **Meets the requirement for Interactive Media Design elective.**

GAME3900L Game Studio Lab: Programming

This lab section is to be taken by Game Programmers who are concurrently enrolled in Game Studio. The lab serves to provide a directed learning experience to supplement the practical applications utilized within the Game Studio project. Students will work together to diagnose, analyze, develop, assess, and implement programming solutions from algorithm to code using gaming based best-practices. Prerequisite: CPTR1100. **Meets the requirement for Interactive Media Design elective.**

GAME3901 Live Studio 3 cr.

In this class, students will be working to improve the look, feel and playability of existing game properties with an eye toward increasing the appeal, popularity, and ultimately, profitability of the games. Improvements in design, art, story, production, and mechanics will all be included. Students will work with industry representatives depending on the project. Students will be required to attend regular team meetings. This course may not be used to meet Game Studio graduation requirements. Prerequisite: GAME 1120. **Meets the requirement for Interactive Media Design elective.**

GAME3902 Serious Game Project 3 cr.

This course is the capstone course for the Context component of the interactive media curriculum, and is thematically connected with the experience component. Students are required to link their humanities and social science work with their interactive media studies. Teams of students work on game projects that are designed for a primary purpose other than pure entertainment. The "serious" adjective generally refers to applications that have been designed for use by industries like defense, education, scientific exploration, health care, emergency management, city planning, engineering, and politics. These projects draw heavily on the outcomes students have mastered as a result of their general education courses. Prerequisites: GAME1001; CORE-ENGL; PSYC1001 or SOCI1001; and at least two semesters of GAME3900 or GAME3901 (or transfer equivalent). **Meets the requirement for Interactive Media Design elective.**

GAME4115 Artificial Intelligence for Video Games 3cr.

This course provides an overview of the field of artificial intelligence with special attention to uses in the electronic gaming field. Students will develop logic grids for intelligent agents, discuss how learning and communication are integral elements of artificial intelligence. Philosophical discussion of such concepts as intelligence, cognition, learning, and the Turing test will be addressed. Prerequisite: GAME3135. **Meets the requirement for Interactive Media Design elective.**

GAME4120 Literary Development of Virtual Worlds 3cr. – see GAME2105 Literary Development of Virtual Worlds.

GAME 4200 Game Analytics 3 cr.

The course will discuss optimization of 3 phases of game design development and production – marketing (how do we acquire the users?), retention (how do we keep and convert users to players?) and monetization (modeling the game changes to get the optimal monetization). The course will also discuss the Stochastic approach, introduce students to relational databases, statistical software and other analytical tools used in Game Analytics. Prerequisites: MATH 2200 and GAME 1120. **Meets the requirement for Interactive Media Design elective.**

GAME4300 Career Internship 3cr.

The junior or senior student is required to pursue an internship with a local professional design firm in which the student can apply his/her academic experience to the professional working environment. The student intern works under the supervision and guidance of a faculty member in partnership with the student business supervisor. Prerequisite: GAME3900 or GAME3901. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME4301 Character Animation 3 cr.

Animated characters are becoming increasingly popular as pivotal assets in animation, storytelling, and simulation related industries. The fundamentals of creating animation lie in the ability to generate believable characters that have emotion and life. This course will explore tools and techniques used in the animation industry to design convincing character animations including blocking, breakdowns, non-linear, and procedural animation. Prerequisite: GAME3302. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GAME4302 Advanced Character Animation 3 cr.

This course continues the study of processes and procedures related to character animation initiated in GAME4301. Facial animation and lip synchronization concepts are presented along with current technologies utilized in the efficient design of dialog-based animation. Unlike GAME4301 Character Animation where focus is placed on designing character animation loops for real-time engines, this course focuses on story and narrative for cut scenes and short film. Prerequisite: GAME4301. **Meets the requirement for Interactive Media Design elective.**

GAME4400 Advanced Topics in Game Development 3cr.

Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived on the Becker website. Student may take course multiple times to earn credit for a different topic. Prerequisite: Established per Topical Section. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME4510 Senior Game Project I 3 cr.

This senior-level seminar is flexible in both format and content due to the ever advancing technology within the field of game design and represents the culmination of the student's Bachelor of Arts in Game Design experience. Working with the professor, students will select an appropriate topic for the design of an original interactive gaming project which will result in a presentation of associated development stages and final program. The thesis work will allow students to produce an advanced, cohesive project based on their accumulated course work within the major and further focused research and development for this seminar. It is intended to simulate the real-world experience of game project developer/designer. Prerequisite: GAME2125 or GAME3135. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GAME4520 Senior 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: GAME2125 or GAME3135. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GAME4610 Portfolio 3 cr.

A professional review of a student's cumulative work toward the degree is provided. The student spends the semester gathering work, updating items, participating in critiques, and creating a professional presentation of his/her work which is meant to be shown for career and graduate school opportunities. Prerequisite: at least three semesters of GAME3900 or GAME3901 (or transfer equivalent). **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GAME4701 Game Audio Production Studio 3 cr.

The overall purpose of this course is to design and create a fully realized game audio production to be implemented in a working game, in tandem with the Senior Game Project course. The course involves creating all audio assets to be used in-game including sound-effects, music, and voice-overs, and the implementation of adaptive audio theories, real-time mixing, and middleware. Topics build on previous sound-design and composition courses. Students will work both individually and as a team. This course deepens the preparation of students for entry-level work in sound design and music at a game development company or as a freelance professional. Prerequisite: GAME3701 or GAME3702. **Meets the requirement Interactive Media Design elective.**

GOVT1108 American Government 3 cr.

An analysis of the United States national government with primary emphasis on its constitutional structure and secondarily on its institutional development. **Meets the requirement for General Education and Social Science elective. Course offered: Fall.**

GOVT1109 State and Local Government 3 cr.

An analysis of state and local government institutions in the United States with emphasis on structure, function, policies, and recurrent political problems of these institutions. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

GOVT3001 Political Theory 3 cr.

This course analyzes political thought throughout history and its impact on government and society. Students will be exposed to the work of theorists such as Plato, Socrates, Machiavelli, Montesquieu, Rousseau, Locke, Jefferson, and others who have influenced political thought. **Meets the requirement for General Education, Humanities/Fine Arts, Social Science, and Criminal Justice elective. Course offered: Spring.**

GOVT4100 American Constitutional Law 3 cr.

An introduction to the complex processes involved with the development of constitutional doctrine in the United States. Students will study the major cases and Supreme Court decisions that serve as the principle vehicle for constitutional elaboration, adaptation and change. Prerequisite: GOVT1108. **Meets the requirement for General Education and Social Science elective. Course offered: Spring.**

GRPH1001 History of Graphic Design 3 cr.

This course covers the major historical, technological and cultural impacts of graphic design including design movements, typographical and print advancements and important and influential designers. Graphic design history will be approached from a global perspective as the student learns about important designers and design movements from all parts of the globe starting with the earliest forms of communication all the way through modern design styles. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GRPH1100 Design Technology 3 cr.

This course introduces students to the current technology used in the graphic design field. Students will explore software tools and see how various design applications integrate for best practices in the industry. Students will complete numerous hands-on activities and assignments to enhance their learning of the concepts, tools, and industry standards. **Meets the requirement for Interactive Media Design elective.**

GRPH2110 Typography 3 cr.

This course is an exploration of typography, both the history of type and the importance of typography in the design process. Students will learn the history of typography from the origin of the alphabet and the invention of movable type, to the new and modern computer generated fonts. Students will create a variety of projects ranging from the abstract, using basic letter forms, shapes and structures, to the practical designing posters, logos, typographic grids, structures and more! Students will brainstorm ideas through discussion and thumbnail sketches. Most projects will be completed using Adobe Illustrator. **Meets the requirement for Interactive Media Design elective.. Course offered: Fall, Spring.**

GRPH2120 Techniques of Vector Imaging 3 cr.

This course introduces the student to vector imaging using Adobe Illustrator to create digital illustrations. The course content will focus on drawing in the vector format using the pen and brush, making paths, masks and gradients to use as illustrations for design projects. The course will also emphasize typography as an illustrative device as well as various techniques and tools used in the creation of line art and color illustrations. Prerequisite: ARTS1301. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GRPH2130 Techniques of Raster Imaging 3 cr.

This course introduces the student to the process of creating and designing with Raster images using Adobe Photoshop. Students will learn the scanning process and the importance of file sizes and resolution. The course focus will be on preparing photographic images for print and web applications and the different needs of each medium. Students will learn to adjust color, work in layers, create masks, use brushes and filters and appropriate color management for print (CMYK) and web (RGB). Prerequisite: ARTS1100 or ARTS1301. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GRPH2140 Graphic Design I 3 cr.

The Graphic Design core sequence consists of two courses which introduce the student to concepts and facets of the design process from inception to finished product. Each course presents a combination of theoretical knowledge and practical skills that will prepare the student to enter and succeed in the professional Graphic Design field. Graphic Design I introduces the student to the history of the graphic arts. The student will learn the art, craft and skill sets needed for design, layout and production in the ever-changing world of graphic design. Manual techniques will be the foundation of the study of graphic design. Problem solving exercises using visual expression will teach the students to communicate on the graphic level. Prerequisites: GRPH 2110, GRPH 2120 or concurrent. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GRPH2150 Graphic Design II 3 cr.

Graphic Design II is a continuation of GRPH2140 Graphic Design I. This course is a combination of the theoretical knowledge and practical skills which introduces the student to concepts and facets of the design process from inception to finished product using Adobe InDesign. The course will teach students problem-solving exercises and the understanding of exactly how to communicate ideas graphically. This course develops the student's understanding of language and terminology in electronic image assembly and electronic pre-press. The student will learn how to prepare fonts, images, and documents for printing, including bleeds, trapping, and the usage of spot (Pantone, Toyo, etc.) colors. Prerequisites: GRPH 2130 and GRPH2140. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GRPH2160 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. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Fall.**

GRPH2170 Principles of Digital Imaging 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. Prerequisite: none. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Spring.**

GRPH2180 Animation and Motion Graphics 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 for internet communication. Students will learn how to create computer based graphics for use within digital animation software. Prerequisite: GRPH2130.

Meets the requirement for Interactive Media Design elective. Course offered: Fall.

GRPH2220 Computer Illustration 3 cr.

This course continues concepts learned in GRPH 1100 Design Technology by further exploring current software technology used in the graphic design field including specifically software used for creating, editing, and manipulating computer graphics used for both print and on-screen design. This course covers both raster images and vector illustrations and includes the exploration of successful combining these techniques to produce professional-level computer-generated artwork. Prerequisite: GRPH 1100 or passing of skills test. **Meets the requirement for Interactive Media Design elective.**

GRPH2230 Integrated Media Solutions 3 cr.

This course explores design solutions from concept to completion for design that spans across multiple media systems including print, screen-based media, large-format media, signage systems, social media and more. Students will learn how to develop consistent yet agile solutions for designs that include different formatting outlets with consideration for marketing principles including target audience, product life cycle, and consumer behavior. Prerequisites and Requirements: GRPH 1100 or passing of skills test, AND ARTS 1301. **Meets the requirement for Interactive Media Design elective.**

GRPH3110 Advanced Web Design 3 cr.

This course is a continuation of GRPH2160 Introduction to Web Design. The students will design and construct interactive web pages utilizing current technology and following industry standards. Concepts covered will include usability, user interface design, user experience, page composition, navigation, and style formatting. Advanced concepts and technology will be introduced based on current technology.

Prerequisite: GRPH2160. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GRPH3120 Publication Design 3 cr.

Advanced production of multi-page documents, such as: books, newsletters, annual reports and magazines. This course will teach students to solve problems dealing with page flow, multi-page layouts and advanced techniques of the page layout software, Adobe InDesign. This course will also emphasize advanced pre-press skills to pre-flight and package their finished designs for commercial print.

Prerequisite: GRPH 2150. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GRPH3130 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: GRPH2150. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GRPH3140 Package Design 3 cr.

This advanced design course examines the field of package design. Students will work from concept to finished product, combining their pre-press and production knowledge to create folds, tabs and die cut designs for packaging. This course will focus on the unique problems of package design by working with students hands-on to create concepts and package designs for products. They will construct 3-D facsimiles of their designs, focusing on function and innovation. Prerequisite: GRPH2230.

Meets the requirement Interactive Media Design elective. Course offered: Spring.

GRPH 3150 Branding and ID Systems 3 cr.

This course is a hands-on study of branding and identity systems used in corporate design worldwide. Corporate Design involves an inter-disciplinary approach to communication, combining skills from graphic design, business, psychology, and cultural studies. In this course, specific emphasis will be placed on the research and development of a comprehensive corporate branding and identity program that will include the design and production of the corporate logo, stationery, and various types of support collateral materials. Prerequisite: GRPH 2150. **Meets the requirement for Interactive Media Design elective.**

GRPH 4110 Design Studio I 3 cr.

This course is specifically focused on the student's ability to manage their design work flow and prepare them for real business practices. Students will learn to create job tickets, calculate and prepare job estimates, fill out copyright forms, compile contracts and prepare final design bills. The class emphasizes skills necessary for working with design firms or as a self-employed graphic designer. Students will also prepare self-promotional materials, portfolio presentations and sales pitches to further prepare them for their professional careers. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

GRPH4210 Design Studio II 3 cr.

This course allows students who wish to pursue in-depth various graphic design topics such as: theoretical, experimental or practical studies in cutting edge subjects. An advanced course for students to tackle modern or advanced ideas in design that are beyond the scope of the course offerings to create finished designs in the student's professional interests. Course will emphasize critical thinking and originality. Prerequisite: Junior Status in Graphic Design. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GRPH4300 Career Internship 3 cr.

The junior or senior student is required to pursue an internship with a local professional design firm in which the student can apply his/her academic experience to the professional working environment. The student intern works under the supervision and guidance of a faculty member in partnership with the student business supervisor. Bi-weekly, on-campus meetings between the student and design advisor will assure that the student is fulfilling his/her course and business obligations. A Career Internship form is required and is available at the Registrar's Office, to be filled out for approval. Prerequisite: Junior Status in Graphic Design. **Meets the requirement for Interactive Media Design elective. Course offered: Fall, Spring.**

GRPH4400 Advanced Topics in Design 3 cr.

Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived on the Becker website. Student may take course multiple times to earn credit for a different topic. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GRPH4510 Design Portfolio 3 cr.

In this course the student, working with a design faculty member, creates and produces his/her own individual portfolio which highlights the student's competence, knowledge, and proficiency in his/her individual chosen field or area of interest. In addition, the student will work with Becker College's Career Services office in the development of his/her job search strategy including creating a PPT presentation of their portfolio, using a portfolio as a marketing tool, preparing resumes and cover letters, developing interviewing skills and professional presentation techniques. Prerequisite: Junior Status in Graphic Design. **Meets the requirement for Interactive Media Design elective. Course offered: Spring.**

GRPH 4520 Senior Team Project 3 cr.

The STP course involves students working together as teams with local area clients on real-world projects. Student teams will work closely and interact with their assigned client to provide graphic design, web-site design and more. Supervised by design program faculty, the teams will be responsible for the design and production of the work requested by the client. The course will focus on the skills of team management and cooperation which are essential for working on a design team. Prerequisite: Junior Status in Graphic Design. **Meets the requirement for Interactive Media Design elective. Course offered: Fall.**

HIST1304 Western Civilization - Renaissance, Reformation and Modern Europe 3 cr.

A survey of the history of western man from the Renaissance, through the Reformation to the end of the Thirty Years War in 1648 and thence to the present. Key topics will be the enlightenment, the age of absolute kings, the French Revolution, the Industrial Revolution, World Wars I and II, the Vietnam War and the two wars with Iraq. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall.**

HIST1308 U.S. History I 3 cr.

A general overview of the political, social, cultural, economic and military experience of the American people from the establishment of the first settlements by Europeans in North America to the end of the American Civil war. The course will emphasize events, trends and personalities of the Colonial period, the Revolutionary, Confederation and early national era, the sectional conflict and the Civil war and Reconstruction. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall.**

HIST1309 U.S. History II 3 cr.

A general overview of the political, social, cultural, economic and military experience of the American people from the Reconstruction era to the present. The course will emphasize the events, trends and personalities of the Gilded Age and Progressive era, the two World Wars, the Roaring Twenties and Great Depression and the Cold War. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Spring.**

HIST1401 World History I 3 cr.

This course focuses not only on Western history but also on its diverse, non-Western counterpart. The course is designed to help students achieve a better understanding of the historical forces that shaped the development of early agrarian societies. To this end the course presents the political, economic and cultural history of various world civilizations. In addition, the course aims to increase understanding between peoples from different cultures and to create a common core-knowledge necessary for life in the emerging global community. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall.**

HIST1402 World History II 3 cr.

World History II begins by focusing on the achievements of Western technology and the voyages of discovery of the 15th century that created a new world system. The course examines European colonialism, slavery, revolutions, nationalism, liberalism, industrialization, imperialism, world wars, fascism, communism, and democracy. Other major topics include the decline of colonialism, the atomic age, and the cold war. The course also aims to increase understanding between peoples from different cultures and to create a common core-knowledge necessary for life in the emerging global community.

Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Spring.

HIST2306 History of Technology in Western Civilization 3 cr.

The development of technology from the fashioning of stone tools by prehistoric man to the development of a computerized society by 20th century man. Emphasis on the impact of scientific thought and technological innovation upon human social, political and economic values.

Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall.

HIST3100 American Constitutional History 3 cr.

The evolution of American constitutional law is examined in detail. Topics include the writing of the Constitution, its ratification, the concept of judicial review, and the role of the Supreme Court. The development of major constitutional principles since 1787 are discussed historically.

Prerequisite: GOVT1108. **Meets the requirement for Criminal Justice, General Education, and Humanities/Fine Arts elective. Course offered: Fall.**

HIST3600 Women in American History 3 cr.

In this course, we will examine the events of American history through the point of view of women in the cultural mainstream, as well as women in sub-cultural groups, who lived during these times. We will investigate how social, political, and economic factors shaped the lives of an often-overlooked group in history - everyday women. We will also explore the lives of many individual women who made significant contributions and helped shaped the history of the United States. Prerequisite: ENGL1003.

Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Spring.

HUMN1001 Introduction to the Humanities 3 cr.

Students develop analytic and critical tools for greater appreciation of the arts, such as literature, painting, music, sculpture, architecture, dance, and photography. The student reads from Faulkner, Steinbeck, Albee, Rostand, and others, and participates in limited activities to understand and appreciate man's creative activities. **Meets the requirement for General Education and**

Humanities/Fine Arts elective. Course offered: Fall.

HUMN1003 Music and All That Jazz: History and Appreciation 3 cr.

This course is designed to familiarize students with the elements of music and the primary musical periods of Western European classical music. Additional study of other forms of music across the globe will be covered. Students will explore modern and alternative music and the impact they have made on the human race and on music itself as it evolves through 21st Century. Classroom time consists of lectures with discussions, Q&A, listening to musical examples, reading texts, blogs and musical journals, attending live concerts or suggested performances, and completing research papers with oral presentations specific to the course material. This course will cover brief overviews of the major composers and their music. In addition, the students will learn to read basic music symbols, and develop an appreciation and understanding of the importance of music in any culture and how it promotes a healthy and happy world view. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Spring.**

HUMN20UG Special Topics Course 3 cr.

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HUMN2103 Global Citizenship and Community Engagement 3 cr.

This course will combine an academic study of the foundations of global citizenship with direct involvement in the experience of community outreach. Woven into the course will be an emphasis on various skills needed in interacting with others in diverse communities. Emphasis is on social responsibility, civic engagement, interpersonal and leadership skills, and critical analysis appreciation for diversity. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall and Spring.**

HUMN2107 America and the Contemporary World 3 cr.

This course is intended to give students in the liberal arts an opportunity to understand the changing world, to comprehend America's role in that world, and to ponder the political and cultural challenges that are likely to confront their generation in the future. After the end of the Cold War, certain historians such as Francis Fukuyama proclaimed the "end of history." History, however, survived its "end" and came back as complex and disturbing as ever, which became patently clear after the tragic events of September 11th. In this course, students will get the historical background necessary to understand the developments that led to September 11th. In addition to that, they would be expected to keep in touch with the latest news on day-to-day basis. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Spring.**

HUMN2207 American Cinema 3 cr.

The American Cinema: A survey of various trends in American movies from 1927 to present. Students will view approximately sixteen landmark motion pictures to analyze them for content, technique, mass audience appeal, and the historical context within which the film was produced. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Spring.**

HUMN2208 American Film Genres 3 cr.

An intensive study of one or more of the various genres of the American cinema, including westerns, musicals, film noir, gangster films, and detective films. These motion pictures will be analyzed for content, technique, mass audience appeal, and the historical, political, or sociological context within which the film was produced. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Spring.**

HUMN2401 Elements of Japanese Culture 3 cr.

A number of central phenomena in the Japanese cultural history are studied, from concepts of ancient aesthetics to animation styles and techniques, such as anime, and art forms, such as manga and video games, which are so much a part of modern and contemporary popular Japanese culture. The video games, anime and manga are employed as vehicles to develop students' awareness of Japanese culture, past and present, but particularly contemporary culture. In addition, the contemporary image of Japan, as seen by other cultures is discussed within a framework of the history which shaped it, for example, the effect Hiroshima and World War II has had on Japanese art and culture. Rudiments of Japanese language are also covered as required to gain a more critical understanding of various other cultural elements. Emphasis is placed on exploring Japanese popular culture in a historical, social and literary context. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Spring.**

HUMN2405 Religions of the World 3 cr.

In this course, students will explore the major themes, faith practices, and symbols and concepts of the major religions: Christianity, Judaism, Buddhism, Islam, and Hinduism. Because religion plays a significant role in history and society, study about religion is essential to understanding both our nation and the world. The course will enhance understanding of various religions to eliminate misconceptions and to develop a healthy respect for difference. Attention will also be given to how real people, through biography and autobiography, have expressed the spiritual dimension of life through their religious traditions. **Meets the requirement for General Education and Humanities/Fine Arts, elective. Course offered: Spring.**

HUMN2601 Global Learning through Storytelling Communities 3 cr.

This course involves the academic study and practice of the art of storytelling. Learning activities include listening to, reading, analyzing, and telling personal and folk stories, myths, legends, fairy tales, tall tales, and historical stories in order to learn about several cultures more deeply, (e.g., aspects of the time period, geography, morality, religion, humor, relations, and decision making). Reading and collecting stories from other cultures as well as from a place-based community will be explored.

Prerequisite: ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts, elective. Course offered: Fall.**

HUMN2700 Dialogue in a World of Difference: Essential Leadership Skills for Global Citizenship 3 cr.

This course will teach the skills and attitudes necessary for the practice of dialogue between individuals and among diverse communities. Students will practice new skills as they participate in and facilitate the process of dialogue in a variety of settings and challenging contexts such as inter-religious, race relations, and global climate change. Dialogue as a means for education, problem solving and healing will be considered. The impact of dialogue to transform global conflicts including Israel/Palestine, South Africa, the humanitarian refugee crisis, and citizen deliberations on global warming will be explored.

HUMN30UG Humanities Special Topics 3cr.

Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived at <http://www.becker.edu/academics/course-descriptions/special-topics-courses>. Student may take course multiple times to earn credit for a different topic. Prerequisite: ENGL 1003.

Meets the requirements for Humanities/Fine Arts elective.

HUMN3100 Intercultural Communication 3 cr.

Students learn about the challenges of communication between members of two or more different cultures. Such awareness may lead to an appreciation of cultural differences and to strategies that can enhance personal and organizational functioning and communicating in a multicultural environment.

Meets the requirement for General Education, Interactive Media Program, and Humanities/Fine Arts elective. Course offered: Fall, Spring.

HUMN3110 Voices of the World I: Global Cultures 3 cr.

The Voices of the World I course will expose students to nine different cultures around the world. This course is designed to help students inhabit the intellectual and emotional worlds of people from around the world, who share our common humanity while living very different lives. This course offers students a series of insights into different ways of thinking, through different cultural and social realities, rooted in different histories. These insightful literary works are the best guides in developing empathy and an understanding of human differences. Every work considered in this class will be supplemented by a short overview of the historical and cultural realities of the country that shaped both the writer and his/her work. Prerequisite: ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts, elective. Course offered: Fall.**

HUMN3120 Voices of the World II: The American Immigrant Experience 3 cr.

The Voices of the World II course will analyze American immigrant lives through seminal historical narratives, award-winning novels, memoirs, and films. Students will get a chance to read and compare the major 20th and 21st Century stories of uprooting, passage, and adjustments to American culture. Students will be encouraged to recognize the narrator's viewpoint, setting, homeland, family, gender, community, laws, and religion. They will learn about the great saga of American immigration, be expected to read immigrant narratives and related materials, and to complete a short précis for each of the readings. Students will watch films dealing with the lives of different ethnic diasporas within the United States. Prerequisite: ENGL1003. **Meets the requirement for General Education and Humanities/Fine Arts, elective. Course offered: Fall.**

HUMN3130 Globalization and Social Justice 3 cr.

This course focuses on the social justice issues that individuals and societies face from a global perspective, as well as the strategies employed to ameliorate the varied negative outcomes of social injustices. Students will explore the historical antecedents, as well as the social, legal, ethical, and political events that have contributed to social injustice worldwide. Theories of oppression and social justice will form a conceptual framework for the study of both issues and strategies. Prerequisites: SOCI1001 and SOCI2400. **Course offered: Spring.**

HUMN3205 Detective Films: Origins and Evolution of a Genre 3 cr.

Although we often view detective films as popular entertainment, the elements of detection ~ causality (who has done something and why?) and temporality (what happens next?) ~ are essential not just to cinema, but to all storytelling. This course focuses on the origins and evolution of the detective genre in American and international films from the silent era to the present. The course analyzes enduring works by many of the most influential Hollywood directors (Keaton, Houston, Preminger, Coppola, etc.) as well as examples from the French New Wave, Italian New Realism, Japanese Yakuza, and post-revolutionary Iran. We shall assess these films as individual works, as responses to the conventions of genre, and as reactions to the cultural and historical eras in which they were produced (pre-Hays code, World War II, the Cold War, Vietnam, post-Watergate, etc.). Readings include source material, genre theory, scholarly criticism, and detective fiction. Prerequisites: ENGL1003 or HUMN1001.

Course offered: Fall.

HUMN3302 Studies in Film Analysis 3 cr.

Studies in Film Analysis is a seminar course that will concentrate on the analysis of selected feature films that have a common theme of historical, political or literary significance. Students collectively will view approximately ten related landmark films as class assignments. Individual students will then study and analyze a smaller group of significant related films as research projects apart from the class exercises. Assessment of student learning will take the form of written analyses of the research done by students and oral presentation of their findings and conclusions. Prerequisite: 60 earned credits; HUMN2207 or HUMN2208 recommended. **Meets the requirement for General Education and Humanities/Fine Arts, elective. Course offered: Fall.**

HUMN3502 Ancient Cultures and Their Heroes 3 cr.

This course will continue to examine ancient cultures from both Western and non-Western traditions. Heroes and heroines, myths, symbols, rituals, religions, and community relationships and roles will be explored. the "gifts" of these ancient cultures, clues for living better in today's world, will be thoroughly discussed. **Meets the requirement for General Education and Humanities/Fine Arts, elective. Course offered: Fall.**

HUMN3503 Contemporary Heroes and Their Cultures 3 cr.

Contemporary Heroes and Their Cultures, will examine, in a timely fashion, the new relationship cultures have with their heroes, and how the culture and the hero shape one another. There is a wealth of heroism in the ever-changing world of the twentieth and twenty-first centuries as well as conflicting views on what the modern hero (and anti-hero) truly represents. New perspectives in the global community allow heroes of today to both reflect and transcend their own culture. It is, indeed, a brave new world to explore in this timely course. **Meets the requirement for General Education and Humanities/Fine Arts, elective.**

HUMN3901 Global Citizenship Internship and Seminar 3 cr.

The internship is based on a service-learning model and provides students with an introduction to the experience of working with others from diverse backgrounds in a professional capacity in a community outreach setting. Students will be required to complete 150 hours of direct service and will be monitored in their field placements. The Seminar will be team-taught and students will meet with the instructors once per week to discuss the course readings and will have opportunity to discuss, analyze, and integrate their field placement experiences in relation to internship goals. Real world problems of moral and ethical complexity will be addressed each week with the goal of producing scholarly response in the community. Prerequisites: HUMN2103 or SOCI2400. **Course offered: Fall.**

HUMN4100 Action Research 3 cr.

This course will provide a foundation of the Action Research (AR) process through the development of a prototype and mock Web-based publication. Students will integrate technology as they design, research, analyze, and produce the AR prototype. Students will build and apply digital competencies using an array of course-embedded multi-media technologies in support of their research, communication, and AR prototype publication via a Web-based platform. Students will apply the elements of AR as they maneuver through the process, preparing them for the more sophisticated AR research they will undertake during their Senior Capstone Seminars. Prerequisites: INFO 1001 and MATH 2200. **Course offered: Fall.**

HUMN4105 Religion, Peacemaking, and Social Transformation 3 cr.

This course will focus on portraits of global peacemakers, past and present, who have made a difference in bringing about positive change and who have been instrumental in resolving conflict or injustice through appeal to religious sentiments and cultural realities. Students will have the opportunity to participate in a service learning project relating to course content and themes. Prerequisites: SOCI1001 or SOCI2400; any HUMN3000 level course. **Meets the requirement for General Education and Humanities/Fine Arts, elective. Course offered: Fall.**

HUMN4500 Global Citizenship Capstone Seminar I 3 cr.

The Global Citizenship Capstone Seminar is a two-semester course for Global Citizenship majors focused on synthesizing and deepening learning about global issues; it is designed to integrate the various aspects of students' experiences in community and global venues. Over the course of two semesters, students will work on a collaborative action research project with other members of the class on an issue about which they are passionate. Projects will culminate in a globally engaged, action-oriented project by the end of the year. Prerequisites: HUMN 3901 and HUMN 4100.

HUMN4501 Global Citizenship Capstone Seminar II 3 cr.

The Global Citizenship Capstone Seminar is a two-semester course for Global Citizenship majors focused on synthesizing and deepening learning about global issues; it is designed to integrate the various aspects of students' experiences in community and global venues. Global competencies will be demonstrated through the completion of several writing and creative projects this spring semester, including students' philosophy of global citizenship and their resume. Students will also help to organize ongoing conversations with others in the class about things that are important to them and the type of future they would like to see for themselves and the world.

Over the course of this semester, students will complete their Collaborative Action Research Project in the groups determined in the fall semester. As part of this process, students will further develop and then implement their action plan with local and/or global partners, activists, and NGOs to deepen their understanding of the chosen topics and make some kind of public contribution to the issue. Their research projects will culminate in a community-based, globally-engaged, action-oriented project to be completed by mid-April. Prerequisite: Successful completion of HUMN 4500.

IDST1001 Academic and Career Exploration I 3 cr.

This course is designed to help students explore six different majors, including: Business Administration, Sports Management, Exercise Science, Computer Science, Criminal Justice, and Legal Studies. Each major will have a module instructed by an expert in that field. Modules will include: a student guest speaker, an industry guest speaker, and exposure to possible career paths. The course will culminate in a research project incorporating all five areas of study.

IDST1002 Academic and Career Exploration II 3 cr.

This course is designed to help students explore six different majors, including: Social Innovation and Entrepreneurship, Liberal Arts, Integrated Studies, Early Childhood and Youth Education, Psychology, and Biology. Each major will have a module instructed by an expert in that field. Modules will include: a student guest speaker, an industry guest speaker, and exposure to possible career paths. The course will culminate in a research project incorporating all five areas of study.

IDST2300 Prior Learning Assessment 3 cr.

This course provides a structured series of activities designed to provide the student with a systematic approach to petition for credit for learning obtained outside a traditional classroom. This course will allow the student to investigate and reflect on past learning, academic accomplishments and experience. The self-reflection will harvest professional experience, academic success and individual achievements to apply and match up against currently defined learning outcomes. Students will learn to differentiate between experience, experiential learning, and learning by experience. They will analyze their personal knowledge, skills, and abilities and leverage them to develop portfolios. Students will develop and submit at least one portfolio for assessment.

INFO1300 Information Systems in Organizations 3 cr.

This course serves as an introduction to the broad field of Information Technology, focusing on three major areas: project management, computer security and informatics and on the management of these technologies to support and achieve strategic organizational goals. Other significant areas of IT management will also be explored. Students will evaluate through discussions and written assignments how each of these areas apply to current and future business decisions. The course will use case-based tutorials in order re-enforce concepts with technology skills in completing realistic assignments.

Prerequisites: none.

Course offered: Fall.

INFO2105 E-Commerce 3 cr.

This course will explore the business and technological elements of electronic commerce. It will explain the economic foundations of electronic commerce, describe the infrastructure, and explain the main technologies used to implement online business activities. Assignments, projects, simulations, and case studies will be utilized in the learning process. **Meets the requirement for Business elective. Course offered: Fall.**

INFO2500 Data Visualization 3 cr.

Information visualization is a combination of many disciplines. Principles are drawn from the fields of statistics, perception, graphic design, cognitive psychology, information design, communications, and data mining. This course is an introduction to the principles and techniques for data visualization, and will cover the basic theories of data visualization, such as data types, chart types, visual variables, visualization techniques, structure of data visualization, navigation in data visualization, color theory, cognitive theory, and visualization evaluation. Students will learn visual representation methods and techniques that increase the understanding of complex data and models. Emphasis will be placed on the identification of patterns, trends, and differences from data sets across categories, space, and time. The ways that humans process and encode visual and textual information will be discussed in relation to selecting the appropriate method for the display of quantitative and qualitative data. Graphical methods for specialized data types (time series, categorical, etc.) will be presented. Topics will include charts, tables, graphics, effective presentations, multimedia content, animation, and dashboard design. Examples and cases from a variety of industries will be used. In this course, we will explore visual representation methods and techniques that increase our understanding of complex data. Prerequisite: none.

INFO3300 Business Analytics 3 cr.

This course provides an overview of the field of analytics, which has been defined as the extensive use of data, quantitative analysis, exploratory or predictive models, and fact-based management to drive decisions and actions. The development and use of data warehouses and data marts to support business analytics is discussed. The use of key performance indicators, dashboards and scorecards for performance management and opportunity assessment are addressed. Text and web mining are discussed, and the application of selected data mining techniques to business decision making situations is illustrated. Students actively participate in the delivery of this course through application assignments and project presentations. Prerequisite: MATH 2200. **Course offered: Spring.**

INFO3901 Data Science Practicum 3 cr.

This practicum provides students with supervised field work experience in data science within an organization, including government, business, or research lab. Students will work a minimum of 12 hours per week over a 14 week semester. Students will be expected to keep a journal of their experience and attend an on-campus meeting with their faculty supervisor on a bi-weekly basis.

INFO4200 Predictive Analytics 3 cr.

This course explores statistical models as they are used in predictive analytics. The course will focus on applying predictive models through cases studies of consumer behavior, crime fighting, financial risk, life sciences, medical risk, and organizational efficiency. The course reviews traditional linear and generalized linear models, including multiple regression, logistic regression, and survival data models. It addresses issues of model selection and specification, as well as best practices in developing models for business, life sciences, and other industries. Prerequisite: MATH3200.

INFO4300 Big Data Analysis 3 cr.

The course will discuss data mining and machine learning algorithms for analyzing Big Data. A lab component of industry standard software will emphasize tools for creating parallel algorithms that can process very large amounts of data. This course will provide a review of basic linear algebra and probability. Lectures will cover techniques of mining large data sources from areas such as social media, web advertising, and life sciences, and will provide opportunities to apply best practices in big data analysis. Prerequisites: CPTR1400, MATH2105, and MATH2200 or appropriate math placement score.

INFO4500 Data Science Policy and Strategic Management 3 cr.

A capstone course for the application of learning to projects and/or issues in various industries related to large data repositories or data streams. A semester long project provides a framework to evaluate a data science problem requiring the integration of computer science, statistics, and another discipline of student focus (e.g., Bioinformatics, Business Analytics, Healthcare Analytics, etc.). Projects require a portfolio with written assessments of the industry or organization selected, an overview of the data science problem, a data management and analysis plan, sample data, data visualizations, and conclusions. Prerequisite: INFO4300.

JPNS1001 Japanese Language I 4 cr.

This course introduces basic grammar, sentence patterns and vocabulary of the Japanese language. In this course the emphasis is on oral skills. The course entails three hours of lecture and two hours of lab. The course is designed for students with no previous knowledge of Japanese. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Fall.**

JPNS1002 Japanese Language II 4 cr.

This course follows up on the work of JPNS 1001 in that students will continue to improve their mastery of grammar, sentence patterns and vocabulary of the Japanese language and will continue to improve their oral skills. Additionally, students will begin to develop their understanding of the Japanese language as well as their reading and writing skills in Japanese. The course entails three hours of lecture and two hours of lab. Prerequisite: JPNS1001. **Meets the requirement for General Education, Humanities/Fine Arts, and Interactive Media Design elective. Course offered: Spring.**

JUST1100 Criminal Justice System & Process 3 cr.

This course will focus on the basic integrity and make-up of the criminal justice system and the processes by which justice is administered. Students will explore the nature of crime and victimization, various criminal justice powers, and the laws from which they derive. The course will provide a brief history of American policing, as well as global and comparative perspectives. Students will learn about the roles and functions of police and contemporary policing structures and organizations, and will discuss various contemporary issues (legal, ethical, professional, and social) in policing and criminal justice. Students will also learn about the court system and the administration of justice, including pretrial and trial procedures; the roles of prosecution and defense; and issues in sentencing and punishment, probation and parole, and community corrections. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

JUST1101 Homeland, Private & Public Security 3 cr.

This course examines the historical background, organization and administration of private security. Emphasis will be placed on the study of different types of security programs and the relationship between private security agencies and public government agencies. **Meets the requirement for General Education, Social Science, and Criminal Justice elective. Course offered: Spring.**

JUST1105 Juvenile Justice System & Process 3 cr.

A study of the underlying philosophy and the processes used in the juvenile justice system. The course emphasizes the difference between adult and juvenile procedure. **Meets the requirement for General Education, Social Science, and Criminal Justice elective. Course offered: Spring.**

JUST1200 Introduction to Homeland Security 3 cr.

This course will encompass the study and relationship between those entities and institutions necessary for the protection of the United States. Course instructional material will examine the components of Federal, State and Local Police Agencies, as well as the role of Private Security and Emergency Responders needed to facilitate the implementation of the Homeland Security Act. Particular attention will be focused on Policy, Plans and Procedures at governmental and community levels. **Meets the requirement for General Education and Social Science elective.**

JUST1300 Theories of Crime 3 cr.

This course will offer an introductory exploration of prominent theories of crime causation, ranging from biological, psychological, sociological, and cultural explanations. The course will apply various theories to cases of true crime, and students will discuss crime theory in the context of real-life cases. Prerequisites: None. **Meets the requirement for General Education and Social Science elective.**

JUST2202 Crisis Intervention in Criminal Justice 3 cr.

A study of the theoretical and practical basis for accurately assessing and responding to crisis situations unique to the criminal justice profession. Subject areas will include domestic violence, child abuse and neglect, and elder abuse. Communication and referral techniques will be covered and emphasized throughout the course. **Meets the requirement for General Education and Social Science elective.**

Course offered: Fall.

JUST2203 Corrections, Systems & Process 3 cr.

Corrections is a growing and changing component of our criminal justice system. It includes collaboration between the courts, correctional facilities, and community-based alternatives. This course will explore the various corrections systems in the U.S., at Federal, State and local levels, and the process by which they operate. It will include the historical/social background of corrections and the future directions corrections may be headed in. **Meets the requirement for General Education, Social Science, and Criminal Justice elective.** **Course offered: Fall.**

JUST2204 Victimology & Victim Services 3 cr.

This course examines the foundations and historical background of victimology, the victim's rights movement and victim's services. New developments in the field of victim assistance will be examined. Specific subject areas of victimization will be studied, including homicide, rape, and helping the helpers (victims' service providers). Throughout the course, current literature and documents on victim's rights and services for the 21st century will be emphasized and studied. Course is especially appropriate for Criminal Justice, Legal Studies, and Psychology majors. **Meets the requirement for General Education, Social Science, and Psychology elective.** **Course offered: Fall.**

JUST2207 Police and the Community 3 cr.

The function of the police in the community and the interaction between the community and the police will be analyzed. Aspects of police operations and their corresponding influence to the community will be examined and discussed. The relationship of police, media, minority groups, special populations and those in political power will be among the topic areas to be studied. An emphasis on "Community Policing" will be maintained throughout the course. Prerequisite: JUST1100 or permission of the instructor. **Meets the requirement for General Education, Social Science, and Criminal Justice elective.** **Course offered: Spring.**

JUST2209 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. **Meets the requirement for General Education, Social Science, and Criminal Justice elective.** **Course offered: Spring.**

JUST2800 History of Modern Terrorism 3 cr.

This course will look at 19th century through to modern day terror organizations, such as the European Anarchist movement, US abolitionists movement, Irish National Brotherhood. This history provides the foundation for further study of terrorism. **Meets the requirement for Criminal Justice elective.**

Course offered: Fall, Spring.

JUST2801 Key Issues in International Terrorism 3 cr.

This course examines the fundamental issues behind terrorism and the current responses to this threat. It explores the concept of terrorism, the types of terrorism and prominent terrorist groups. In addition it evaluates the international measures to curb terrorism and explores the role of business and media sectors in countering terrorist activities. Prerequisite: JUST2800. **Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.**

JUST2802 Terror Group Aims, Motivations and Beliefs 3 cr.

What motivates terrorists? Understanding the terrorist mind-set is critical to countering terrorism effectively. This course enhances a participant's analytical ability by identifying the various strains of influence within today's terrorist groups and networks. Prerequisite: JUST2800. **Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.**

JUST2805 Evolution of Terrorism 3 cr.

This course seeks theoretically and analytically to examine the concept of terrorism, presently and historically. We will begin the course with some of the definitional problems, as well as some of the general tactics and concepts of terrorism. We will then turn the discussion to issues of domestic terrorism, religious terrorism, and suicide terrorism. This course concludes with some of the major implications of the "war on terror," the Patriot Act, and immigration. Prerequisite: JUST1200. **Meets the requirement for Criminal Justice elective.**

JUST2810 Intelligence in Homeland Security 3 cr.

This course examines homeland security intelligence at the federal, state, and local levels. We begin with an overview of the US foreign intelligence community, its mission, history, structure, and capabilities. We examine how this community's composition and structure have changed as its mission was fundamentally altered twice—first with the end of the Cold War and then with the rise of terrorism. Next, we look at the US homeland security enterprise, its mission, goals and objectives. We then examine the federal, state, and local stakeholders to identify the various customer sets for homeland security intelligence and to gain an overview of their intelligence collection requirements. Prerequisite: JUST1200. **Meets the requirement for Criminal Justice elective.**

JUST2815 Critical Infrastructure Protection 3 cr.

This course provides an introduction to the policy, strategy, and practical application of critical infrastructure security and resilience (CISR) from an all-hazards perspective. This course will review the eleven classifications of critical infrastructure as well as the Nation's Key Assets as defined by the Homeland Security Presidential Directive 7. The nation's historical recognition of the need for critical infrastructure protection (CIP) prior to 9-11 and after will be reviewed, as well as the evolution of HLS policy and the approach to CIP. Particular emphasis will be placed on the importance of vulnerability analysis, risk assessment, security planning, and the idea of critical infrastructure resilience. Students will systematically review all of the infrastructure categories to establish a general understanding of their scope, ownership, vulnerabilities, current status, and focus issues. Prerequisites: JUST1200, JUST1100 OR LGLS1100. **Meets the requirement for Criminal Justice elective.**

JUST3001 Police Administration and Management 3 cr.

Students are introduced to the managerial structure and functions of the many levels of police departments. The relationship of police departments to other agencies of law enforcement is also studied. Prerequisite: JUST2207. **Meets the requirement for General Education, Social Science, and Criminal Justice elective. Course offered: Spring.**

JUST3100 Threat Assessment and Management 3 cr.

This course will introduce students to the concept of threats, how they are analyzed and assessed, and the techniques and methodologies for managing them. Concepts from a number of disciplines will be covered, with a primary goal of violent prediction and a secondary goal of practical applications of case management. Prerequisites: PSYC1001 and JUST1100. **Meets the requirement for General Education, Social Science, and Criminal Justice elective. offered: Fall.**

JUST3200 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. **Meets the requirement for Criminal Justice elective. Course offered: Fall.**

JUST3305 Cyber Crime 3 cr.

This course examines the elements and emergence of crimes committed using computer technology and discusses strategies, tactics, and collaboration involved in combating cybercrime and cyber-criminals. The course also discusses future trends in digital crime and criminological theories. Prerequisites: JUST 1200, JUST 1100, or LGLS 1100. **Meets the requirement for Criminal Justice elective.**

JUST3801 Terrorist Modus Operandi 3 cr.

This course explores how the ideologies of various terrorist groups can have an impact on group structure, tactics, strategies and target selection. It examines types of terrorist tactics, looking into the role of ideology and the impact of state response on the evolution of terrorist strategies, before considering the possible future trends in terrorist tactics Prerequisites: JUST2800, JUST2801, JUST2802. **Meets the requirement for Criminal Justice elective.**

JUST3802 - Future and Emerging Trends in Terrorism 3 cr.

This course examines the future and emerging trends in terrorism, looking at how state and local terror organizations may impact society in the future. Prerequisite: JUST3801. **Meets the requirement for Criminal Justice elective.**

JUST3803 Cyberterrorism 3 cr.

This course examines the concept of cyberterrorism and provides an introduction to the ways in which terrorists use the Internet and the politics of cybersecurity. It offers simplified explanations of the technology of the Internet and major types of cyberattack, with the aim of assisting students to gain a concrete sense of the issues that are under discussion. Note that the module does not provide a technical grounding in cybersecurity. Prerequisite: JUST3801 or JUST3802. **Meets the requirement for Criminal Justice elective.**

JUST3900 Criminal Justice Internship 3 cr.

Students will work within criminal justice agencies, integrating classroom learning with practical experience. In addition, students will meet periodically with the internship coordinator to review their progress, and relate their experiences to broader issues within criminal justice. The e-learning platform, Canvas ©, will also be used to provide discussion and communication with the student. A minimum of 144 hours is required. Prerequisites: Completion of all 1st and 2nd year courses, a GPA of 2.5, and permission of the internship coordinator. **Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.**

JUST3901 Policing/Law Enforcement Internship 3 cr.

Students will work in a police/law enforcement agency, integrating classroom learning with practical experience. In addition, students will meet periodically with the internship coordinator to review their progress, and relate their experiences to broader issues within policing. The e-learning platform, Canvas®, will also be used to provide discussion and communication with the student. A minimum of 144 hours is required. Prerequisites: Completion of all 1st and 2nd year courses, a cumulative GPA of 2.5, and permission of the internship instructor. **Meets the requirement for Criminal Justice elective.**

JUST4001 Research in Criminal Justice 3 cr.

This 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. Students learn about research ethics; research design issues such as sampling and measurement; and explore methods of data collection, including survey, experimental, and evaluation research. Students write five short research papers, along with short factual problem assignments. Students also work on a formal research proposal throughout the semester and defend that proposal at the end of the semester. Prerequisites: JUST3200, PSYC1001, SOCI1001. **Meets the requirement for Criminal Justice elective. Course offered: Fall, Spring.**

JUST4100 Directed Study in Criminal Justice and Legal Studies 3 cr.

Students conduct the research project proposed in JUST4001 - Research in Criminal Justice. A paper, taking the form of a journal article and reporting the results of the research, is presented and defended at the end of the semester. Special attention is given to the project's relationship to ongoing research and theory building in the fields of criminal justice and criminology. Prerequisite: JUST4001.

Meets the requirement for Criminal Justice elective. Course offered: Spring.

JUST4505 Ethics and Professionalism in Criminal Justice 3 cr.

This course investigates the application of ethics to problems in criminal justice and the law. Issues related to policing, criminal prosecution, corrections, and law will be studied. Students will be encouraged to induce general moral precepts and rules from the examination of particular situations and problems. The student will also learn about issues of professionalism in the workplace. Prerequisite: JUST 3200 or LGLS 3200. **Meets the requirement for Criminal Justice elective.**

JUST4800 Counterterrorism Policy, Research and Management Capstone 3 cr.

This capstone course is the culmination of the related courses in the Domestic Counter Terrorism Studies: Policy, Response and Management Concentration. Students will review and study current research and policy as it relates to counter terrorism, and management practice, in the U.S. today. A semester long project will be assigned on an individual and group/team basis, which will result in a practical/table-top exercise and final presentation at the end of the semester. Prerequisites: JUST2800, JUST2801, JUST2802, JUST3100, JUST4001. **Meets the requirement for Criminal Justice elective.**

LGLS1100 Introduction to Law 3 cr.

This course provides an introduction and overview of law and legal studies in the United States. Students will learn about the historical background and current structure of the legal system, jurisdiction, and substantive and procedural issues. The course will explore the many roles of legal professionals, issues of ethics and professionalism. Students will have an introduction into seven key areas of law: Torts, Family Law, Estates and Probate, Property Law, Contract Law, Business Law, and Criminal Law and Procedure. The course will also explore key current events and recent developments affecting law and legal professionals. **Meets the requirement for General Education and Social Science elective.**

LGLS1102 Criminal Law 3 cr.

This course provides instruction on the most common crimes prosecuted in American courts, including homicide, sexual assault, theft, and crimes against public order and morals. Students will obtain an understanding of the nature, origins, and purposes of criminal law, the general principles of criminal liability, inchoate crimes, joint ventures, and the defenses to liability. Students will learn about the concepts of *mens rea*, *actus reus*, *mala in se*, *mala prohibita*, causation, and concurrence. Students will explore key contemporary issues in Criminal Law, such as: gender-related violence, bias-related violence and hate crimes, global issues in American Criminal Law, the intersection of Criminal Law and technology, and the role of mental health issues in Criminal Law. **Meets the requirement for General Education and Social Science elective. Course offered: Fall.**

LGLS1105 Litigation and the Court System 3 cr.

This course introduces students to the litigation process and examines key issues of civil procedure. The course also discusses damages and remedies afforded to parties in a civil suit. **Meets the requirement for General Education and Social Science elective.**

LGLS1207 Contracts and the Uniform Commercial Code 3 cr.

This course will discuss the fundamentals of contract law and how contract law interacts with the Uniform Commercial Code. Students will learn about contract formation, the requirements for a valid contract, breach of contract and defenses to breach, and contract damages. **Meets the requirement for General Education and Social Science elective.**

LGLS2102 Criminal Law 3 cr. (see LGLS1102)**LGLS2107 Family Law 3 cr.**

This course will deal with the concepts and procedures involved in domestic relations law. Students will study issues such as divorce, separate support, abuse prevention, guardianships, power of attorney, and parental rights. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

LGLS2205 Legal Aspects of Business 3 cr.

This course is designed to provide a survey of the legal environment from the perspective of professional service and business employment responsibilities. The areas studied include personal injury law, contracts, the Uniform Commercial Code, partnership law, secured transactions, bankruptcy, and property law. The intent of the course is to familiarize students with questions and issues that arise in everyday business life. **Meets the requirement for General Education and Social Science elective. Course offered: Spring.**

LGLS2300 Legal Research and Writing Techniques 3 cr.

A systematic approach to learning legal analysis, organization and writing. Cases are introduced in detail and with concentration on issues, rules, holdings and reasoning. Students develop their writing abilities with specific focus on the preparation of briefs and memoranda and the analysis of legal problems. **Meets the requirement for Criminal Justice and Legal Studies elective. Course offered: Fall, Spring.**

LGLS2305 Torts 3 cr.

This course will introduce students to intentional torts, negligence, strict liability, and defenses under tort law. Students will explore the elements of each tort cause of action and analyze whether those elements are fully met in case law and hypothetical questions. Students will also explore the tort litigation process and learn key procedures associated with its steps. Prerequisite: LGLS1105 Litigation. **Meets the requirement for General Education and Social Science elective.**

LGLS2400 Technology and the Law 3 cr.

This course introduces students to law office and legal technology, including case management technology, legal research, and cloud-based legal technology. The course will discuss issues in privacy, law and technology; social media law; e-commerce; and electronic discovery. The course will also discuss innovation, creativity, and design in legal technology. **Meets the requirement for Criminal Justice and Legal Studies elective.**

LGLS2600 Computer Applications for the Legal Profession 3 cr.

This course provides the student with a foundation of computer concepts and their application in the legal profession. **Meets the requirement for Criminal Justice and Legal Studies elective. Course offered: Fall, Spring.**

LGLS3001 Advanced Legal Writing and Analysis 3 cr.

Students will engage in extensive appellate writing and research. They will develop a working knowledge of all of the documents associated with appellate practice and the skills necessary for effective appellate brief preparation. Prerequisites: LGLS2300 or LGLS2208. **Meets the requirement for Criminal Justice and Legal Studies elective. Course offered: Fall, Spring.**

LGLS3200 Topics in Law and Society 3 cr.

This course examines the historical and philosophical origins of the law, the sociological impact of the law, the effects of the law on the political process and public policy, and an analysis of the importance of law within our increasingly pluralistic society. Students will explore, discuss and evaluate the legal implications of current events in the world in a variety of areas. Prerequisites: ENGL1001, SOCI1001, PSYC1001. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

LGLS3205 Business Law 3 cr.

This course provides an overview of the formation and operation of business enterprises, focusing on sole proprietorships, general and limited partnerships, limited liability partnerships, limited liability companies, and business corporations. Students will be introduced to the advantages and disadvantages of each form of business enterprise and will learn how to draft various business-related documents. Emphasis will be placed upon areas of law relevant to business operations, such as federal agencies, courts, contracts, employment obligations, and business organizations, including the effect of ethical considerations on such institutions and processes. **Meets the requirement for Criminal Justice and Legal Studies elective. Course offered: Spring.**

LGLS3292 Conflict Resolution 3 cr.

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

LGLS3300 Immigration and International Law 3 cr.

The course explores the history of U.S. immigration law and policy, with an emphasis on current events and key recent developments in the field. Students will learn about various types of immigrant and non-immigrant visas; the path to permanent residency; the path to naturalization; refugee and asylum laws and policies; grounds for inadmissibility; and removal proceedings. Students will explore global and comparative immigration laws and study key issues in national sovereignty, homeland security, and border protection. Students will also explore the basics of international law, including diplomacy and the workings between nation-states, as well as the role of international law in business, commerce, and property ownership. Prerequisite: JUST1100. **Meets the requirement for Criminal Justice and Legal Studies elective.**

LGLS3400 Health Policy Law 3 cr.

This course on health policy and law considers the interplay between health laws, regulations and statutes with health policy development. Topics considered are the roles of federal, state and local governments, public health issues, the nature of health care as a right or as a privilege in this country. Students will also consider the challenges of balancing individual rights with societal protections and will also have the opportunity to develop and present a health policy analysis paper. Prerequisites: JUST1100 OR NURS1104. **Meets the requirement for Criminal Justice and Legal Studies elective.**

LGLS4100 Directed Legal Study 3 cr.

This is an independent study which will allow a student to extensively research a topic of the student's choice. The research paper will involve the application of statutory and common-law sources along with the use of the student's writing and analytical abilities (senior status). **Meets the requirement for Criminal Justice and Legal Studies elective. offered: Spring.**

LIBA4100 Senior Seminar in the Liberal Arts 3 cr.

This capstone course will serve as a culminating academic experience for senior students in Liberal Arts. Students will be expected to demonstrate mastery of research methodology and skills at a level consistent with graduate school expectations. In this semester, students will examine a range of materials in interdisciplinary fields that link to the Humanities: Health and Science, History, Global Citizenship, Business, Social Media, and Literature. Faculty in these or related disciplines will provide significant materials and related critical theory on a seminar topic, selected by the Liberal Arts Seminar Advisory Committee. Each student will select an area in a particular discipline within which to develop a capstone research writing project, subject to approval by the Advisory Committee. **Course offered: Spring.**

MATF1001 Foundations of College Mathematics 3 cr. (non-graduation credit)

This foundational math course is designed to provide the student the opportunity to review all basic arithmetic concepts necessary to succeed in other math courses. In addition, the student is taught ways to combat math anxiety that may have hindered success in math in the past.

Course offered: Fall, Spring.

MATH1105 Finite Math I 3 cr.

The course illustrates how math concepts are applied in the real world. The course covers algebraic topics (including linear functions and linear systems) necessary for solving applied problems in the field of business and finance. The course also includes a study of probability, counting and probability distribution. **Meets the requirement for General Education and Math elective.**

MATH1200 College Algebra 3 cr.

The topics covered include properties of number systems, polynomials, linear and quadratic equations and inequalities, radical equations, absolute value equations, systems of equations and inequalities, graphing, and verbal problems. **Meets the requirement for General Education and Math elective.**

Course offered: Fall, Spring.

MATH2001 Pre-calculus and Functions 3 cr.

This course incorporates algebra, the basics of trigonometry, and a review of geometry, and will serve as a foundation for the study of physics, biomechanics, and exercise physiology. Students will learn to solve algebraic equations and to apply them to word problems dealing with time, rate, and distance. Students will also study logarithmic and exponential functions, tangents, cosine and sine, vectors, and forces.

Prerequisite: MATH1200 or appropriate placement score. **Meets the requirement for General Education and Math elective. Course offered: Fall, Spring.**

MATH2005 Geometry 3 cr.

This course covers elements of Euclidian and Non-Euclidian geometry. It highlights geometrical figures, properties, relationships, and transformations. It emphasizes geometry structure: axioms, theorems, propositions; and concentrates mainly on proofs build using this structure. Topics include the introduction of coordinates, the theory of area, history of the parallel postulate, the various non-Euclidean geometries, compass and ruler constructions. Prerequisite: MATH1200. **Meets the requirement for General Education and Math elective. Course offered: Fall, Spring.**

MATH2101 Applied Business Statistics 3 cr.

Business Statistics introduces students to basic statistical methods with emphasis on applications in business challenges. The ability to summarize, interpret, analyze, and manipulate data is an essential business competency in a knowledge- and information-based economy. This course will lay the foundation for developing such data analytic literacy. Students will learn how to summarize, analyze, and interpret real-world data in a manner that will guide them in making business decisions. Students will also learn to think critically about how statistics are used by others and how statistics impact their day-to-day lives and careers. Authentic applications are emphasized that illuminate the connection between abstract mathematical concepts and their use in a variety of real world business challenges. This course is designed to develop the business student's quantitative skills and data analytic literacy through examination of real world business challenges through applied projects and case studies.

Meets the requirement for General Education and Math elective. Course offered: Fall, Spring.

MATH2105 Finite Math 3 cr.

This intermediate level mathematics course includes an introduction to logic, sets and counting, functions, matrix theory, linear systems, linear programming, game theory, and an introduction to probability. With a focus on quantitative reasoning, the students' ability to interpret mathematical models such as formulas, graphs, tables, and schematics is developed, as well as the ability to draw inferences from them. The representation of mathematical information in various formats is developed, as is the ability to use formal logical theorems and mathematical methods to solve problems, determine reasonableness, identify alternatives, and select optimal results. Prerequisite: MATH1200 or appropriate placement. **Meets the requirement for General Education and Math elective. Course offered: Fall, Spring.**

MATH2200 Statistics 3 cr.

An introductory course for students having backgrounds limited to pre-calculus mathematics. Areas treated are statistical methods, sampling, probability, frequency distributions, estimations, correlation, and tests of significance. **Meets the requirement for General Education and Math elective. Course offered: Fall, Spring.**

MATH2202 Calculus I 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, and application of the derivative for: maximum and minimum in profit inventory costs and production, elasticity for demand, the antiderivative and integration. Prerequisite: MATH2001 or appropriate placement score.

Meets the requirement for General Education and Math elective. Course offered: Fall, Spring.

MATH2302 Calculus II 3 cr.

This course is devoted to the study of transcendental functions, techniques and applications of integration, sequences, series, power series with applications, and parametric equations and polar coordinates. In particular, applications include area bounded by curves, volume by rotating and slicing, arc length and area of a surface of revolution. Integration techniques taught include integration by parts, partial fractions, trigonometric substitution, numerical integration, and improper integrals. Students will be introduced to hyperbolic functions, separable and linear differential equations, direction fields, and their applications. The study of sequences and infinite series will include tests for convergence of the various types of series, leading to power series and Taylor series. Applications to Economics and Biology will be discussed. Prerequisite: MATH2202. **Meets the requirement for General Education and Math elective. Course offered: Fall, Spring.**

MATH2400 Discrete Mathematics 3 cr.

This course covers elementary discrete mathematics essential for computer science and informatics courses. It emphasizes mathematical definitions and proofs, as well as applicable methods. Topics include formal logic notation, proof methods, induction, well ordering, sets, relations, elementary graph theory, integer congruences, functions and relations, permutations and combinations, counting principles, and discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction, state machines and invariants, recurrences, and generating functions. Prerequisite: MATH2001 or appropriate placement score. **Meets the requirement for General Education and Math elective.**

MATH3200 Multivariate Statistics 3 cr.

This course is designed to provide a working knowledge of multivariate statistics. The focus is on the appropriate use and interpretation of a variety of multivariate statistics using software (SPSS). The topics include a variety of multivariate techniques, particularly linear regression, binary logistic regression, discriminant analysis, multivariate analysis of variance, repeated measures analysis, and factor analysis. The course concentrates on providing students with knowledge of statistical analyses (obtained from SPSS) that can be properly used to address a specific research question. Prerequisite: MATH2200 or appropriate placement score. **Meets the requirement for General Education and Math elective.**

MATH3305 Linear Algebra 3 cr.

Topics include systems of linear equations, Row Reduction and Echelon Forms, Matrices and Matrix Algebra, Inverse Matrices, Determinants and Permutations; Cramer Rule, Vector Spaces and Subspaces, Linear Transformations, Matrix of a Linear Transformation; Linear Independence, Bases for Vector Spaces, Dimension, Matrix Rank, Inner Products (dot products), Orthogonality, Cross Products, Gram Schmidt Method; Eigenvectors, Eigenvalues, Eigenspaces of a Matrices, Matrix Diagonalization, Polar Coordinate Systems, especially 3D polar space, 4x4 Matrices and Perspective Projection, Rotations in 3 dimensions including Euler Angles. Some applications of linear algebra will be discussed, such as computer graphics and linear regression (least squares). Prerequisites and Requirements: MATH2202 or MATH2105. This course is highly recommended for majors in sciences, especially computer-science oriented majors. **Meets the requirement for General Education and Math elective.**

MGMT1000 Introduction to Business Models 3 cr.

This course introduces students to the business model framework – the essential foundation of how businesses create value via solving problems and fulfilling consumers’ wants and needs. This course assumes rapid cycles of industry shock and disruption, and, as such, students learn these business model concepts using real world examples via case studies of companies that have excelled and failed based entirely on the adaptability of their business model. This introductory course grounds the student in the fundamental concepts of business – specifically how businesses create value. **Meets the requirement for Business elective. Course offered: Fall, Spring.**

MGMT1805 Introduction to Project Management 3 cr.

This class introduces the factors necessary for successful project management. Topics include project management concepts, needs identification, the project manager, teams, project organizations, project communications, project planning, scheduling, control, and cost performance. Students will become comfortable with working with project management as an individual or team member. Case studies, assignments, and projects will be utilized in the learning process. **Meets the requirement for Business elective. Course offered: Spring.**

MGMT2077 Social Business 3 cr.

This course will provide an interdisciplinary overview of social business models and their application to social, economic, technological, cultural, political, and environmental issues both locally and internationally. Students will learn how the principles of social business influence positive change in the world and provide sustainable solutions to global challenges. An introduction to the finance and planning of social business, as well as comparisons to traditional and other alternative business models, will be presented. Prerequisites: MGMT1000. **Meets the requirement for Business elective.**

MGMT2200 Principles of Management and Leadership 3 cr.

This course discusses the basic functions of management and the role of a manager from an operational viewpoint. Traits and behaviors of good leadership are explored in creation of a competitive and sustainable enterprise. Guiding principles and practices that increase management effectiveness are analyzed. Assignments, projects, simulations, and case studies will be utilized in the learning process. **Meets the requirement for Business elective. Course offered: Spring.**

MGMT2400 Supply Chains and Innovations 3 cr.

In this course, students will explore traditional supply and value chains in what is commonly referred to as pipelines, as well as the new disruptive models of value delivery known as platforms. Traditional pipelines are high-level management models of how businesses receive raw materials as input, add value to the raw materials through various processes, and sell finished products to customers. Platform companies operate in an open ecosystem that match consumers with goods and services that they don’t necessarily produce themselves, gaining value and market share from network effects. Prerequisite: MGMT1000. **Meets the requirement for Business elective.**

MGMT2500 Small Business Management 3 cr.

This course is about the principles and practices necessary to the formulation of a small business. Sole proprietorships, partnerships, and small corporations are considered. Aspects of insurance, inventory funding, employee relationships, and legal matters are studied. **Meets the requirement for Business elective. Course offered: Fall.**

MGMT2505 Small Business Entrepreneurship 3 cr.

This course will allow students to understand and evaluate small businesses from potential ownership perspective. Topics include starting vs. buying a small business, developing a business plan, financial aspects of the business, legal and licensing requirements, franchises as alternative, and revenue/value creation. **Meets the requirement for Business elective. Course offered: Spring.**

MGMT2511 Applied Social Entrepreneurship 3 cr.

This course offers a valuable opportunity for students interested in starting or working for social ventures. It emphasizes best business practices in the service of positive, sustainable social impact across all sectors of leadership including the non-profit, public and for-profit sectors. Teams of students gain hands-on experience as they undertake market research, marketing strategies and/or financial analyses for existing social ventures and apply social business principles. The course will provide opportunities in the area of social entrepreneurship and create an environment in which students' ideas and initiatives can take shape and flourish. Prerequisite: MGMT 2077. **Meets the requirement for Business elective.**

MGMT2710 Women's Leadership: Concepts and Competencies 3 cr.

In this course, participants will learn the foundations of emergent leadership, how to negotiate impasse in leadership, the basic tenets and philosophy of Theory U, and the relationship between contemplative practice and leadership. A service learning project in leadership will be integrated in to the course. **Meets the requirement for General Education and Social Science elective.**

MGMT2712 Women's Leadership: Opportunities and Challenges 3 cr.

In this course, which is a continuation of MGMT2710: Concepts and Competencies, participants will further develop leadership capabilities, apply the tenets of social business to develop and present a leadership project, and formulate one's own philosophy of leadership. Prerequisite: MGMT2710. **Meets the requirement for Business elective.**

MGMT2805 Project Planning & Control 3 cr.

This class focuses on a holistic approach to project management from a cross-functional viewpoint. The content deals with planning, scheduling, organizing, and controlling projects—for example, product development, construction, information systems, new businesses, and special events. The course includes major topics of Strategy, Priorities, Organization, Project Management Tools, and Leadership. Primary class emphasis is on the project management process and tools. Mastery of key tools, software, and concepts all give the student a significant competitive advantage in the marketplace. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisite: MGMT1805. **Meets the requirement for Business elective. Course offered: Fall, Summer.**

MGMT2900 Business Career Exploration 3 cr.

The purpose of this course is to develop business student's awareness of the career opportunities that await them and how they may change. This course will offer students a greater understanding of the applications of a business degree as well as prepare for internship(s) in junior and senior year. Prerequisite: MGMT1000. **Meets the requirement for Business elective. Course offered: Fall, Spring.**

MGMT3100 Managing the Global Economy 3 cr.

This course examines how global enterprises operate by addressing the impact of economic, political, social, natural environment, ethics, and technology on corporate strategies, operations, and efficiencies. Students deal with strategies, problems, and opportunities faced by businesses engaged in international operations. **Meets the requirement for Business elective. Course offered: Spring.**

MGMT3200 Financial Management 3 cr.

This course is designed to provide an understanding of financial functions in firms and the responsibilities of the financial manager. Financial concepts and tools for use in effective financial decision-making and problem solving are also explored. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisites: ACCT2100. **Meets the requirement for Business elective. Course offered: Fall.**

MGMT3201 Innovation for Sustainability 3 cr.

The purpose of this course is to provide students with practical information on the growing frontier of innovation and entrepreneurial activity at the nexus of business and natural systems. The term sustainable business refers to competitively advantageous strategies and practices that firms adapt to grow revenues, cut costs, improve market share, enhance brands, and redesign products and processes to reduce or eliminate adverse environmental and health impacts. Students will study the trends and science driving the growing demand for clean technology and lifecycle product designs. Students will look at the drivers of corporate innovation, strategic shifts, and new markets; learn skills to identify market opportunities; and understand the tools, concepts, and frameworks used by companies currently pursuing sustainable business opportunities. During the course, students will interact with managers of business corporations to extend their knowledge in meeting social and environmental responsibilities and to explore jointly effective approaches to meeting these challenges. Prerequisite: MGMT2077.

Meets the requirement for Business elective.

MGMT3205 Organizational Behavior 3 cr.

This course surveys current theory and practice of psychology applied to industrial and organizational settings. Topics include work motivation, employee attitude assessment, leadership, stress in the workplace, and performance appraisal. Emphasis is placed on the work environment at all levels. An understanding of organizational behavior enables a student to enter the workforce more confidently and understand their role within an organization. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisite: MGMT1000. **Meets the requirement for Business elective. Course offered: Spring.**

MGMT3300 Contemporary Economics 3 cr.

This course involves a study of the U.S. economic system, including supply and demand, markets and competition, prediction and costs, money and banking. This course also looks at current economic policies and the effects on the individual, the firm, organizations, and the nation. Contemporary Economics helps prepare a student for entry into a wide range of business environments. Assignments, projects, simulations, and case studies will be utilized in the learning process. Prerequisite: MGMT1000. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

MGMT3400 Human Resource Management 3 cr.

An analysis and examination of the human resource management function in organizations. Theories and concepts leading to the effective utilization of human resources in organizations will include manpower planning, recruiting, selection and employment, training, promotion, compensation and discipline. Case studies will focus on problems associated with human resource applications in actual organizations. Human Resource Management helps business students appreciate HR as a strategic resource of the company and for entry into Human Resource careers. Prerequisite: MGMT1000. **Meets the requirement for Business elective. Course offered: Spring.**

MGMT3600 Management Decision Making and Problem Solving 3 cr.

This course examines the structure of problems, group and individual approaches to problem solving, and the thought processes that managers use to define problems and reach decisions. In the study of problem solving and managerial decision-making, students recognize their own decision-making style. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT1000. **Meets the requirement for Business elective. Course offered: Fall.**

MGMT3700 Business Decision Making: Law, Ethics and Strategies 3 cr.

In this course, students will explore the relationship between law, ethics and strategies as a practical framework for making sound business decisions. To achieve business and career success, you must manage risk (the Law Pillar) and create value (the Strategy Pillar) in a responsible manner (the Ethics Pillar). Because the Law Pillar is especially important and challenging, the course provides legal briefings on the key elements of business success, such as (1) attracting the best employees, (2) developing successful products, (3) creating new business models, (4) protecting intellectual property, (5) creating contracts that achieve business goals, and (6) using dispute resolution processes that improve business relationships. Prerequisite: MKTG 2004 Marketing I or SPMG 2400 Sport Marketing. **Meets the requirement for Business elective.**

MGMT3705 Business Ethics & Social Responsibility 3 cr.

Ethics are guides to "right" actions & behaviors. Business Ethics are a key component of a business's Social Responsibility and have a direct impact on competitiveness and sustainability. In this course, the nature of ethics, concepts and alternatives to ethics, corporate social responsibility, employer/employee relationships, business practices, and professional ethics will be examined. The course draws on business and personal experience while examining these topic areas. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT1000.

Meets the requirement for Business elective. Course offered: Spring.

MGMT3800 Management Information Systems 3 cr.

This course is designed to provide a foundation for integrated decision making across cross-functional areas of an organization. Developing and using information systems to support operational, tactical and strategic decision making in organizations is also explored. Effective decision making directly affects business competitiveness and sustainability. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT1000. **Meets the requirement for Business elective. Course offered: Fall.**

MGMT3805 Project Team Management 3 cr.

The course surveys the many issues involved in creating and leading a project team. Topics will include group process, team leadership skills, team dynamics, barriers to teamwork, the particular nature of project teams, and the importance of teamwork in project management. Students will consider the nature and types of teams required in their action project. The current business environment utilizes team projects and team decision making as a priority function in business operations. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT2805. **Meets the requirement for Business elective.**

MGMT3890 Managing Diversity in the Changing Workplace 3 cr.

The increasing diversity of the American workforce and expanding economic interdependence among nations requires that managers deal creatively with the cultural dimensions of management. The course will employ readings and experiential learning to explore and articulate perceptions of difference in order to increase management effectiveness. Students gain appreciation of the different forms of diversity and how diversity can become an organizational strength.

Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT3960 Budget & Performance Measurement 3 cr.

This course covers the purposes of, and techniques for, budgeting, including but not limited to developing forecasts; creating revenue, expenses, cash, and capital budgets; analyzing capital investments project proposals; and establishing budget policies, reporting procedures, and controls. Students will also identify common pitfalls, and predictive techniques for avoiding them, when developing and managing budgets, including but not limited to techniques like The Balanced Scorecard and assessment tools applied to revenue and balance sheet outcomes. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT3200.

Meets the requirement for Business elective. Course offered: Spring.

MGMT4100 Business Policy and Strategy 3 cr.

This is a capstone course in which students will develop managerial skills through the analysis of strategic problems in various-sized businesses. This course integrates the knowledge that students have gained in accounting, economics, finance, management, and marketing. This course examines corporate strategy in terms of increasing environmental, social, ethical and organizational complexity. Students will do a business simulation and will write a strategic business plan. They will analyze real companies, identify problems, and formulate a course of action that aligns with, and supports, a company's long-term growth strategy. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisites: 54 credits earned and MGMT3200, and MKTG2004. **Meets the requirement for Business elective. Course offered: Spring.**

MGMT4195 Leadership, Communication and Change 3 cr.

This course is designed to enable individuals to work in diverse situations as members of a team and as leaders of a team - to 1) identify, share, and apply effective communication strategies, which include - corporate vision, strategies, values, principles, and plans; 2) prepare messages to guide and motivate employees, 3) negotiate human resource issues, contracts, and managerial strategies.

Meets the requirement for Business elective. Course offered: Fall, Spring.

MGMT4201 Compensation and Benefits 3 cr.

This course examines the decisions that go into employee compensation; the concepts and research underlying those decisions; the alternative techniques used to help make compensation decisions; and the objectives obtained. Topics include job evaluation, pay determination, employee benefits, government regulations, and current trends. Assignments, projects, simulations and case studies will be utilized in the learning process. Prerequisite: MGMT3400. **Meets the requirement for Business elective. Course offered: Fall, Spring.**

MGMT4400 Current Issues in Strategic Planning 3 cr.

The course focuses on strategic planning to help organizations create a competitive, sustainable future. The course examines modern concepts of strategic planning, especially in terms of increasing environmental. Social, ethical, and organizational complexity. Assignments and case studies will be utilized in the learning process. Prerequisite: 54 credits earned. **Meets the requirement for Business elective. Course offered: Fall, Spring.**

MGMT4900 Career Internship 3 cr.

This course integrates classroom studies with practical experience. Supervised work experience in management or human resources. Twelve hours per week for twelve weeks (minimum). Prerequisites: 2.0 GPA and permission from advisor. **Meets the requirement for Business elective. Course offered: Fall, Spring.**

MKTG2004 Marketing I – Creating Marketing, Branding, and Sales Strategies 3 cr.

In this marketing-focused course, students will explore both classic marketing cases and emerging companies and concepts in order to develop a broad overview of all the tools necessary to create a customer, notably: branding, marketing, sales, advertising, social media, market, and consumer research, including learning from product and market failures. Prerequisite: MGMT1000. **Meets the requirement for Business elective. Course offered: Fall, Spring.**

MKTG2101 Advertising 3 cr.

This course studies advertising as an important tool of business: its form and functions, how to write and display it, where to publish it, the operating side from the standpoint of agencies, media, campaigns, and the testing of results. Advertising is present in the context of contemporary media formats including social media used in the business environment. Assignments and case studies will be utilized in the learning process. **Meets the requirement for Business elective. Course offered: Spring.**

MKTG3001 Marketing Management 3 cr.

In this course, students solve marketing problems from a management point of view. Emphasis is on analyzing marketing situations, identifying problems, determining solutions, implementing corrective action, and planning strategy. The student learns how the marketing management functions are applied to produce an effective marketing program. The case study method is applied. Students develop a deeper understanding of marketing as a tool for competitive advantage and the role of a product manager. Prerequisite: MKTG2004. **Meets the requirement for Business elective. Course offered: Fall.**

MKTG3004 Marketing II – Analyzing Marketing, Branding and Sales Strategies 3 cr.

The objective of this course is for students to understand and apply quantitative marketing methods that are typically used in marketing analytics. The course will motivate and encourage students to practice these concepts in practical exercises, to develop a spirit of problem solving, and to enhance the ability to think in business terms. The course presents popular marketing research methods with practical exercises to familiarize students both with the theoretical and practical aspects of marketing methods. This course should (a) sensitize students to typical data-driven marketing problems, (b) develop students' skills in collecting and preparing data, (c) introduce students to marketing research methods that are typically used in marketing management, (d) develop students' abilities to identify and apply the right methods and to draw the right conclusions from it, and (e) develop students' hands-on competence in marketing analytics. Prerequisites: MKTG2004 or SPMG2400, or approved equivalent. **Meets the requirement for Business elective. Course offered: Fall.**

MKTG3005 Consumer Behavior 3 cr.

An analysis of marketplace and consumer behavior as determined by characteristics of age, sex, geographic location, income levels, educational background, etc. The course will examine the uses of test marketing and its relation to decision making. The course also exposes the student to alternative consumer influence factors and their role within a marketing plan and strategy. Prerequisite: MKTG2004. **Meets the requirement for Business elective.**

MKTG3300 Customer Engagement 3 cr.

This course gives students an opportunity to develop customer engagement techniques. The course will explore the elements of customer engagement leading to a buying decision and develop them to the point where students will be able to present and evaluate the selling and buying process and factors affecting the decision process. A group project will offer an opportunity to apply the principles of customer engagement leading to the sale of a product or service. Assignments and case studies will be utilized in the learning process. Prerequisite: MKTG2004. **Meets the requirement for Business elective. Course offered: Fall.**

MKTG4001 Marketing Research 3 cr.

This course involves the collection, analysis, interpretation, and evaluation of data for use in the marketing management process. Contemporary research techniques are studied. Marketing research approaches will be considered based upon different business models. Assignments and case studies will be utilized in the learning process. Prerequisite: MKTG3004. **Meets the requirement for Business elective. Course offered: Fall.**

MKTG4105 International Marketing 3 cr.

Students will apply the fundamental principles of marketing to the international arena. They will examine culture, history, geography, religion, economics, and business climate in terms of their impact on the marketing process. They will learn how marketing strategies and promotional messages are context-specific, and how both multinational and global marketing strategies can be effective depending on the target market and the characteristics of a company's products and services. Case studies and current events will provide an opportunity to put the course material into practice. Prerequisite: MKTG2004. **Meets the requirement for Business elective. Course offered: Fall.**

MKTG4400 Advanced Topics in Marketing 3 cr.

Courses offered under the designation Advanced Topics may represent emerging issues or specialized content not represented in the curriculum. Each advanced topics course has a course description, which is archived on the Becker website. Student may take this course multiple times to earn credit for a different topic. Specific course learning outcomes will include organizational adaptation to emergent changes as impacted by a range of business topics. Assignments and case studies will be utilized in the learning process. Prerequisite: MKTG2004. **Meets the requirement for Business elective. Course offered: Spring.**

NURS1103 Essentials of Health Assessment and Promotion 3 cr.

Health Assessment and Promotion provides the student with the knowledge and skills required for obtaining a comprehensive health history and performing a physical, psychological, sociocultural, developmental and spiritual assessment on adult and geriatric patients. Emphasis is placed on health promotion, identification of normal/anticipated findings, common variations, beginning skill acquisition, and documentation of collected data. Students are required to pass the didactic and lab components of this course. A grade of C+ or better is required to continue in the nursing program. Co-requisites: NURS1104 and BIOL2503. **Course offered: Fall, Spring.**

NURS1104 Fundamentals of Nursing 4 cr.

Fundamentals of Nursing introduces students to the basic nursing concepts, scientific principles, and nursing skills necessary to meet health care needs common to all patients. Using the nursing process and the core competencies necessary for safe and effective contemporary nursing practice across the life span (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, System-Based Practice, and Communication) students acquire the knowledge and skills essential to promoting optimal wellness in the adult and geriatric patient's physiological, psychological, socio-cultural, developmental, and spiritual dimensions of health. The college lab and clinical practicum experiences afford the student opportunities to apply and refine acquired nursing knowledge and skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required to continue in the nursing program. *Co-requisites:* NURS1103 and BIOL2503. **Course offered:** Fall, Spring.

NURS1105 Nursing II 10 cr.

Nursing II builds upon the knowledge and skills acquired in the previous nursing courses (NURS1103 and NURS1104). Students apply the nursing process and the core competencies necessary for safe and effective contemporary nursing practice across the life span (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, Systems-Based Practice, and Communication) to the care of adult medical-surgical patients. The effect of illness on patients' dimensions of health is considered, as students refine their ability to provide prioritized care to adult medical-surgical patients. Pharmacological and nutritional principles are integrated throughout the course. The college lab and clinical practicum experiences afford the student with opportunities to apply and refine acquired nursing knowledge and skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required to continue in the nursing program. *Prerequisites:* C+ or better in NURS1103, NURS1104, and a C or better in BIOL2503. *Co-requisites:* BIOL2504. **Course offered:** Fall, Spring.

NURS1200 The Nurse as Scholar and Clinician 3 cr.

This course is designed to introduce the student to the critical role of the baccalaureate prepared nurse within the changing landscape of healthcare organizations. The transformational education model of learning will provide the foundation to foster scholarly practice and critical reasoning skills applicable to nursing education and practice. The values and competencies essential to nursing practice will be explored. Course work will be directed toward the development of self-reflection, critical appraisal, professional writing, time management, and work-life balance that will be essential for success. The goal is to provide a knowledge base for professional practice in nursing. The responsibilities of the professional nurse as a clinician, professional advocate, and leader in evidence-based nursing practice will be central to the course content. A grade of C+ or better is required to continue in the nursing program. *Prerequisites:* BIOL2502, BIOL2503, BIOL2504 with a C or better in all prerequisite science courses; EXSC3105, MATH1200, and MATH2200 with a C or better, and PSYC1001. *Co-requisites:* BIOL3115.

*Online version is open only to students enrolled in the RN to BSN program. Pre-requisites and co-requisites do not apply in this case. **Course offered:** Spring.

NURS2103 Health Assessment and Promotion Across the Lifespan 3 cr.

Health Assessment and Promotion provides the student with the knowledge and skills required for obtaining a comprehensive health history and performing a physical, psychological, sociocultural, developmental and spiritual assessment on individual adults and families across the lifespan. Emphasis is placed on health promotion, identification of normal/anticipated findings, common variations, beginning skill acquisition, and documentation of collected data. Students are required to pass the didactic and lab components of this course. Open to nursing students in the BSN and RN-BSN programs only. A grade of C+ or better is required to continue in the nursing program. Prerequisites: BIOL2503, BIOL2504, BIOL2502, and BIOL3115 all with a C or better; MATH1200, MATH2200 with a C or better, EXSC3105, NURS1200. Co-requisites: NURS2400 and NURS3002.

*Online version is open only to students enrolled in the RN to BSN program. Pre-requisites and co-requisites do not apply in this case. **Course offered: Fall.**

NURS2201 Nursing III 10 cr.

Nursing III is designed to further build upon the nursing knowledge and skills acquired in the preceding nursing courses (NURS1103, NURS1104, and NURS1105). Students refine their ability to use the nursing process and the core competencies necessary for safe and effective contemporary nursing practice across the life span (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, Systems-Based Practice, and Communication) to plan and prioritize care for adult and pediatric patients with medical-surgical conditions of increased complexity. The effect of significant illness on the adult and pediatric patient's dimensions of health is considered with greater intensity. Pharmacological and nutritional principles are integrated throughout the course. During the associated college lab and clinical practicum experiences students have the opportunity to apply and refine acquired nursing knowledge and skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. The student is given three attempts to pass this competency. Students are required to pass the theoretical, college lab, and clinical experience portions of this course. A grade of C+ or better is required to continue in the nursing program. Prerequisites: C+ or better in NURS1103, NURS1104, and NURS1105; C or better in BIOL2504 and in BIOL2503. Co-requisites: BIOL2502. **Course offered: Fall, Spring.**

NURS2202 Nursing IV 10 cr.

Nursing IV builds upon the knowledge and skills acquired in the previous nursing courses (NURS1103, NURS1104, NURS1105, and NURS2201). Students further refine their ability to use the nursing process, the dimensions of health, and the core competencies necessary for safe and effective contemporary nursing practice across the life span (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, Systems-Based Practice, and Communication) to plan, implement and prioritize care for childbearing families, neonates, psychiatric/ mental health patients, and medical-surgical patients with complex health needs in a variety of care settings. The principles associated with the management of patient care are broadened to include principles of delegation and organization of care for a group of patients. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. The student is given three attempts to pass this competency. Students are required to pass both the classroom and clinical components of this course. A grade of C+ or better is required in nursing courses to graduate from the Nursing program. Prerequisites: C+ or better in NURS1103, NURS1104, NURS1105, and NURS2201. C or better in BIOL2502, BIOL2504, and in BIOL2503. Co-requisites: NURS2205 and MATH2200. **Course offered: Fall, Spring.**

NURS2205 Seminar in Nursing 2 cr.

The role of the registered nurse upon entry into practice in the contemporary health care system is explored. The student considers the total development of the nurse to meet the role requirements and responsibilities. Personal, ethical, and legal aspects of nursing care are discussed along with issues and trends in nursing practice. A grade of **C+** or better is required in nursing courses to graduate from the Nursing program. *Prerequisites:* BIOL2503, BIOL2504, and BIOL2502 all with a C or higher, C+ or better in NURS1103, NURS1104, NURS1105, and NURS2201 *Corequisites:* NURS2202. **Course offered: Fall, Spring.**

NURS2400 Principles of Nursing Care 6 cr.

This course introduces students to basic nursing concepts, scientific principles, and nursing skills necessary to meet the health care needs common to all patients. Students acquire the knowledge and skills necessary to promote optimal wellness in the adult and older adult patients' physiological, psychological, sociocultural, developmental, and spiritual dimensions. The college lab and clinical practicum experiences afford the student with opportunities to apply and refine acquired nursing skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of **C+** or better is required in nursing courses to continue in the Nursing program. *Prerequisites:* Only offered for students enrolled in the Pre-Licensure Bachelor of Science in nursing program. BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or better in all prerequisite science course, MATH1200, MATH2200 with a C or better, EXSC3105, a C+ or better in NURS1200, and NURS3002. *Co-requisites:* NURS2103 and NURS3002.

NOTE: Admission to this course and the third year of the nursing program is determined through a selective admissions process. See admissions information for further details.

NURS3000 Introduction to Pharmacokinetics in Nursing 3 cr.

This course will introduce the students to pharmacology and its therapeutic effects on patients. Content will include the principles of pathophysiology and pharmacology in the treatment of specific diseases. Generic and trade names, indications, contraindications, precautions, adverse reactions, drug interactions, dosage, and administration will be discussed. The role of pharmaceutical agents in the prevention, treatment, and management of disease states will be discussed. Drug effects on age-specific patient populations and documentation requirements will be reinforced. A grade of **C+** or better is required in nursing courses to continue in the Nursing program. *Prerequisites:* BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or better in all prerequisite science courses, MATH1200, MATH2200 with a C or better, EXSC3105, a C+ or higher in NURS1200, NURS2103, NURS3002, and NURS2400. *Co-requisite:* NURS3350.

NOTE: Admission to this course and the third year of the nursing program is determined through a selective admissions process. See admissions information for further details. **Course offered: Fall.**

NURS3001 Foundations of Baccalaureate Nursing Practice 3 cr. (RN to BSN students only)

This course explores the historical, philosophical, and theoretical foundations of baccalaureate nursing practice. Emphasis is placed on professional nursing standards and guidelines, the development of nursing knowledge, and the role of nursing theory in directing nursing practice. Students will focus on developing a personal philosophy of nursing, review of evidence that supports the theoretical foundations of nursing practice, and an in-depth analysis of nursing theory that can be applied to their personal nursing practice. Open to students enrolled in the RN-BSN program. A grade of C+ or better is required in nursing courses to continue in the Nursing program. Pre and co-requisite courses must be taken as outlined in the Becker College RN-BSN curriculum plan.

*Online version is open only to students enrolled in the RN to BSN program. Pre-requisites and co-requisites do not apply in this case. **Course offered: Fall, Spring.**

NURS3002 Complementary Integrative Health Approaches 3 cr.

This course introduces the student to the use of complementary and alternative modalities (CAM) including holistic theory and the various techniques available for interventions with patients in the health care system. Emphasis will be placed on the emerging field of complementary/ alternative modalities (CAM). The legal, ethical, and professional implications for the nurse related to CAM will be discussed. Open to students in the Bachelor of Science in Nursing (Prelicensure) and RN to BSN nursing programs only. A grade of C+ or better is required in nursing courses to continue in the Nursing program. Prerequisites: BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or better in all prerequisite science courses, MATH1200 and MATH2200 with a C or better, a C+ or better in NURS1200. Co-requisites: NURS2103 and NURS2400. **Course offered: Spring.**

NURS3003 Pharmacokinetics in Nursing Practice 3 cr. (RN to BSN students only)

This course will enhance the nurse's knowledge of pharmacology and its therapeutic effects on patients. Content will present the principles of pathophysiology in the treatment of specific diseases. Generic and trade names, indications, contraindications, precautions, adverse reactions, drug interactions, dosages, and administration will be discussed. The role of pharmaceuticals agents in the prevention, treatment, and management of disease states will be discussed. Drug effects on age-specific patient populations and documentation requirements will be reinforced. The RN to BSN student must achieve a final course grade of C+ or higher to progress.

*Online version is open only to students enrolled in the RN to BSN program. Pre-requisites and co-requisites do not apply in this case. **Course offered: Fall, Spring.**

NURS3101 Health Assessment of Individuals and Families 4 cr. (3 hour lecture and 1 hour lab weekly)

The student will analyze health assessment methods and teaching principles for diverse populations of consumers across the continuum of care. An overview of comprehensive assessment techniques will be provided including techniques that elicit key information regarding health literacy needs and concerns. The students will review standards of care and regulations which provide for the delivery of safe and effective care. The students will evidence written and verbal communication skills that can be used to improve the overall health status and knowledge-base of health care consumers. The RN to BSN student must achieve a final course grade of C+ or higher to progress in the nursing program. Open only to students enrolled in the RN to BSN program. **Course offered: Fall, Spring.**

NURS3102 Systems Leadership and Collaborative Practice 3 cr. (see NURS4500)

This course will examine the concept of leadership theories and styles, including the key attributes that a nursing leader should possess. Emphasis will be placed upon the role of the nurse leader in a variety of healthcare settings. Concepts such as team building, conflict resolution, and ethical decision making will be examined. The course will provide students opportunities to integrate and apply their learning through activities and experiences that incorporate best practices and national standards. Note: The student must achieve a final course grade of C+ or higher to progress in the RN to BSN program.

Course offered: Spring.

NURS3105 Pathophysiology 4 cr. (RN to BSN students only)

This course will introduce students to common health problems beginning at the cellular level. Tissues and their cellular components will be examined in order to best understand the illness process. The etiology of adult diseases will provide a focus for class lectures and discussions. Cellular disruptions resulting from injury, environmental toxins, pharmacogenomics, and the impact of stress on the body's ability to combat disease will be analyzed. The role of nursing and health care professionals in the assessment, diagnosis, planning, implementation, and evaluation of treatment protocols will be explored. A grade of C+ or better is required in nursing courses to continue in the Nursing program.

*Online version is open only to students enrolled in the RN to BSN program. Pre-requisites and co-requisites do not apply in this case.

NURS3200 Nursing Informatics and Patient Care Technology 3 cr. (See NURS4505)

This course will provide a foundation for the student to gain competencies in the integration of technology to facilitate nursing practice. The use of computer and other electronic technologies in nursing practice, leadership, education, and research is explored. Learning experiences are provided to develop the basic skills nurses need to practice competently in an electronic healthcare environment. Open to students in the Bachelor of Science in Nursing (Pre-licensure) and RN to BSN nursing programs only. Students in the Bachelor of Science in Nursing (Pre-licensure) degree program will be required to have the following courses as a prerequisite: BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses; MATH1200, MATH2200, INFO1001, EXSC3105, NURS1200, and NURS3302. Corequisites: NURS2103, NURS2400, and NURS3000. Students in the RN-BSN program may take this course following successful completion of all NURS3000 courses with a grade of C+ or better.

Note: Students are required to receive a grade of C+ or better in this course to continue in the nursing program.

NURS3300 Medical Surgical Nursing I 6 cr. (NURS3300 combined with NURS3400 – see NURS3350)

This course focuses on the care of selected patients experiencing common illnesses. The care of the adult medical-surgical patient is viewed from the perspective of building on the core competencies (Patient Centered Care, Teamwork and Collaboration, Evidenced-Based Practice, Quality Improvement, Safety, Informatics and Technology, Professionalism, Leadership, Systems-Based Practice, and Communication). The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote patient stability. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills.

Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required to continue in the nursing program. Prerequisites: Open only to students enrolled in the prelicensure BSN program. BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS1200, NURS3002, NURS2103, NURS2400, NURS3000, and NURS4505. Corequisites: NURS4515. NURS3400 Maternal-Child Nursing will be taken the same semester (Year 3, Semester 2), as assigned either prior to or after completing NURS3350. **Course offered: Spring.**

NURS3305 Medical Surgical Nursing II 6 cr.

This course focuses on the care of selected patients experiencing increasingly complex medical-surgical conditions. The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote health and well-being for adult patients with increasingly complex medical-surgical conditions. The nursing program core competencies, critical reasoning and application of best current evidence to clinical practice will be stressed. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills.

Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required in nursing courses to continue in the Nursing program. Prerequisites: BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or better in all prerequisite science courses, MATH1200, MATH2200 with a C or higher, EXSC3105, a C+ or higher in NURS1200, NURS3002, NURS2103, NURS2400, NURS3000, and NURS3350. Co-requisites: NURS3600, NURS4403 and NURS4515. **Course offered: Fall.**

NURS3350 Adult and Family Health 12 cr.

This course focuses on the care and nursing needs of childbearing women and families, children from conception through adolescence, and adults experiencing common health disruptions and developmental transitions. The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote health and well-being for adults, perinatal, neonatal, and pediatric patients and their family members. Critical reasoning and application of best current evidence to clinical practice will be stressed. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills.

Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required in nursing courses to continue in the Nursing program. Prerequisites: BIOL3115, BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or better in all prerequisite science courses; MATH1200, MATH2200 with a C or higher, EXSC3105, NURS1200, NURS3002, NURS2103, and NURS2400. Co-requisite: NURS3000.

NURS3400 Maternal and Child Nursing 6 cr. (NURS3400 combined with NURS3300 – see NURS3350)

This course focuses on the nursing needs of childbearing women and children from conception through adolescence. The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote health and well-being for perinatal, neonatal, and pediatric patients and family members. Critical reasoning and application of best current evidence to clinical practice will be stressed. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills. A grade of C+ or better is required to continue in the nursing program. Prerequisites: Open only to students enrolled in the prelicensure BSN program. BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS1200, NURS3002, NURS2103, NURS2400, NURS3000, and NURS4505. Corequisites: NURS4515. NURS3300 Medical Surgical Nursing 1 will be taken the same semester (Year 3, Semester 2), as assigned either prior to or after completing NURS3400 Maternal Child Nursing.

Course offered: Spring.

NURS3600 Community Health Nursing 4 cr.

This course applies the nursing program core concepts and dimensions of health to the care of individuals, families, and groups from a community health perspective. Emphasis is placed nurse's role in healthcare systems to meet the health care needs of a global society. Practice issues which include health promotion, risk reduction, disease prevention, wellness, cultural issues, and healthcare technology systems in the community setting are discussed. A grade of C+ or better is required in nursing courses to continue in the Nursing program. Prerequisites: BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or better in all prerequisites science courses, MATH1200, MATH2200 with a C or higher, EXSC3105, a C+ or higher NURS3002, NURS2103, NURS2400, NURS3000, and NURS3350. Co-requisites: NURS3305, NURS4403, and NURS4515.

Course offered: Fall.

NURS4001 Community and Population Health 3 cr.

This course will focus on the promotion of health and prevention of illness for individuals, communities and populations. Theories from community, public health, nursing, and social science, provide a foundation for course discussions. Healthy People 2020 and priority health topics identified by the World Health Organization, serve as guides for the identification of at-risk groups throughout the lifespan. Open only to students enrolled in the RN-BSN program. Prerequisites: Completion of all NURS3000 courses with a grade of C+ or better. Co-requisite: NURS4002.

Note: The RN to BSN student must achieve a final course grade of C+ or higher to progress. **Course offered: Fall, Summer.**

NURS4002 Community Health Nursing 3 cr. (RN to BSN students only)

During this course, the student will apply the concepts learned in previous nursing courses to the role of the baccalaureate nurse in the community. Students will explore the physiological, psychological, sociocultural, developmental, and spiritual dimensions of health issues impacting community health on a local level. This course provides instruction and support to students as they develop, refine and carry out a community health assessment and health improvement project. The clinical assignment involves assessment/analysis of a community health issue in the student's local community, evaluation of services in that community to address the issue, and creation of a health improvement project designed to address the identified community health issue. Nursing department approval is required prior to the student starting the assignment. A grade of C+ or better is required in nursing courses to continue in the Nursing Program. Prerequisites: Completion of all NURS3000 level courses with a grade of C+ or better. Co-requisites: NURS3003 and NURS2103.

*Online version is open only to students enrolled in the RN to BSN program. Pre-requisites and co-requisites do not apply in this case. **Course offered: Fall, Spring, Summer.**

NURS4003 Leadership in Nursing 3 cr.

During this course the student will apply the concepts learned in previous nursing courses to the leadership role of the baccalaureate nurse. Students will explore and analyze current best practices related to professional nursing leadership in a local healthcare system. This course provides instruction and support to students as they develop, refine and complete a leadership analysis project. The course project will focus on an evidence-based solution to one deficit identified in the healthcare system leadership analysis. Nursing department approval is required prior to the student starting the assignment. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: Completion of all 3000 level courses with a C+ or better and completion of NURS4002 with a grade of C+ or better. Corequisites: Enrollment in a nursing elective. **Course offered: Fall, Spring, Summer.**

NURS4101 Professional Nursing Seminar 3 cr.

The purpose of this course is to apply previous nursing practice and current academic successes to professional nursing role development. Emphasis is on generating a professional portfolio including academic and clinical practice achievements. The RN-BSN student must achieve a final course grade of C+ or higher to progress. Successful completion of all prerequisite and co-requisite courses in nursing, or dean approval; open to students enrolled in the RN to BSN program. Prerequisites: NURS 3001, 3002, 3101, 3303, 4500, 4510, 4515, 4505, and nursing electives. Co-requisite: NURS 4403. NURS 4101 should be the final course in the RN-BSN program. **Course offered: Fall, Spring.**

NURS4200 Care of Patients with Complex Physiological and Psychological Health Issues 6 cr.

This course focuses on the care of patients experiencing increasingly complex physiological and psychological health conditions. The physiological, psychological, sociocultural, developmental, and spiritual dimensions of health are considered in prioritizing and implementing nursing interventions to promote health and well-being for patients with complex medical-surgical and psychiatric/mental health issues. The nursing program core competencies, critical reasoning and application of best current evidence to clinical practice will be stressed. Pharmacological and nutritional principles are integrated throughout the course. The classroom, college lab, and clinical learning experiences within this nursing course build upon previously acquired knowledge and skills. Students are expected to achieve a minimum grade of 85% or higher on the math competency exam prior to clinical assignments. Remediation is prescribed for the student failing the initial exam. The student is given three attempts to pass this competency. Students are required to pass the didactic, college lab, and clinical practicum components of this course. A grade of C+ or better is required in nursing courses to continue in the Nursing Program. Prerequisites: BIOL2503, BIOL2504, BIOL2502, BIOL3115 with a C or better in all prerequisite science courses, MATH1200, MATH2200 with a C or higher, EXSC3105, a C+ or higher in NURS1200, NURS3002, NURS2103, NURS2400, NURS3000, NURS3350, NURS3305, NURS3600, NURS4403, and NURS4515. Co-requisites: NURS4210 and NURS4505.

NURS4205 Transition to Nursing Practice 2 cr. (NURS4205 combined with NURS4901 – see NURS4210)

This course focuses on the synthesis concepts essential to the role of the entry-level Registered Nurse, as a contributing member of the healthcare team. Personal, ethical, and legal aspects of nursing care are discussed along with issues and trends in nursing practice affecting the delivery of health care and the discipline of the professional practice of nursing. Students are required to achieve a minimum benchmark score of 70% on the ATI RN Comprehensive Predictor proctored exam. Students will have only two attempts to achieve the required minimum benchmark score of 70% on this exam. A grade of C+ or better is required to pass the course and be eligible for graduation. Prerequisites: Open only to students enrolled in the traditional BSN program. BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS3002, NURS2103, NURS2400, NURS3003, NURS4515, NURS3305, NURS3350, NURS3600, and NURS4403, NURS4500. Corequisites: NURS4200, and an open elective course.

NURS4210 Transitions to Professional Nursing Practice 3 cr.

This course focuses on the synthesis concepts essential to the role of the entry-level Registered Nurse, as a contributing member of the healthcare team. Personal, ethical, and legal aspects of nursing care are discussed along with issues and trends in nursing practice affecting the delivery of health care and the discipline of the professional practice of nursing. During this course the student will have a participant-observer experience at a healthcare setting. This experience provides the student with the opportunity to further develop his/her role as an entry level Registered Nurse and facilitate the transition from nursing student to professional nurse. A grade of C+ or better is required in nursing courses to continue in the Nursing Program. Prerequisites: BIOL3115, BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200 with a C or higher, EXSC3105, a C+ or higher on NURS1200, NURS3002, NURS2103, NURS2400, NURS3000, NURS3305, NURS3350, NURS3600, NURS4403, and NURS4515. Co-requisites: NURS4200 and NURS4505.

NURS4401 Holistic Nursing Practice: Techniques and Application 3 cr.

This course further develops the nurse's knowledge and techniques of holistic practice. Emphasis will be placed on developing the skills needed and exploring the avenues available to implement complimentary/ alternative modalities (CAM) into nursing practice. A variety of holistic modalities will be explored. Open only to students enrolled in the RN-BSN program. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: Completion of all NURS3000 courses with a grade of C+ or better.

NURS4402 Nursing Leadership and Politics 3 cr. (see NURS4500)

This course nurtures the development of the student's own philosophy of nursing leadership. This elective builds on NURS3102 Systems Leadership and Collaborative Practice. The impact of the political system on health care policy will be reviewed. Students will develop skills in formulating management skills but will concentrate on the role of a nurse in a leadership role. Emphasis will be placed on the nurse's professional role, concepts of vision, creativity, and leadership in complex health care system with a focus on the power of politics. Open only to students enrolled in the RN-BSN program. The RN to BSN student must achieve a final course grade of C+ or higher to progress. Prerequisites: Completion of all NURS3000 courses with a grade of C+ or better.

NURS4403 Professional Nurse as Educator 3 cr.

This course is designed to develop the student as a patient, family, and community health nurse educator. Principles of program development and presentation skills for age-appropriate populations will be the emphasis of this course. Students will research, develop, and present a healthcare educational program during the course while utilizing the appropriate principles. Open to students in the Bachelor of Science in Nursing (Prelicensure) and RN to BSN nursing programs only. A grade of C+ or better is required in nursing courses to continue in the Nursing Program. Prerequisites: BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or better in all prerequisite science courses, MATH1200, MATH2200 with a C or higher, EXSC3105, a C+ or higher in NURS1200, NURS2103, NURS3000, NURS3002, NURS2400, NURS3350, and NURS4505. Co-requisites: NURS3305, NURS3600, and NURS4515. **Course offered: Fall.**

NURS4404 Health Promotion and Disease Prevention 3 cr.

This course focuses on health education strategies which can be incorporated into primary care. It integrates the foundational concepts of nursing practice with the concepts of health promotion, risk reduction, and disease prevention. Wellness promotion of individuals and groups will be discussed as well as the need for risk factor reduction, screenings, and early intervention. The role of the nurse in educating individual patients as well as the availability of and involvement in community health promotion efforts will be addressed. Students are required to receive a grade of C+ or better in this course to continue in the nursing program. Prerequisites: C+ or better in all NURS3000 nursing courses and NURS4001. **Course offered: Fall.**

NURS4500 Systems Leadership and Collaborative Practice 3 cr. (previously NURS 3102)

This course will examine the concept of leadership theories and styles, including the key attributes that a nursing leader should possess. Emphasis will be placed upon the role of the nurse leader in a variety of healthcare settings. Concepts such as team building, conflict resolution, and ethical decision making will be examined. The course will provide students opportunities to integrate and apply their learning through activities and experiences that incorporate best practices and national standards. The student must achieve a final course grade of C+ or higher to progress in the RN to BSN or RN to MSN program. Open to nursing majors who have completed or transferred in course work comparable to NURS: 3001, 3101, and enrolled in either the RN-BSN or RN MSN Bridge programs.

NURS4505 Nursing Informatics and Patient Care Technologies 3 cr. (previously NURS 3200)

This course will provide a foundation for the synthesis of technology into the role of nursing practice. The course will focus on exploring the various technologies and their utilization within the confines of system resources to meet patient and nursing care needs. The student must achieve a final course grade of C+ or higher to progress in the RN to MSN program. Open to students in the Bachelor of Science in the RN to BSN program and the RN-MSN Bridge nursing program. A grade of C+ or better is required in nursing courses to continue in the Nursing Program. Pre-requisites: BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or higher. EXSC3105, MATH 1200 and MATH2200 with a C or higher, a C+ or higher in NURS1200, NURS3002, NURS2103, NURS2400, NURS3350, NURS3000, NURS3305, NURS3600, NURS4403, and NURS4515. Co-requisites: NURS4200 and NURS4210.

*Online version is open only to students enrolled in the RN to BSN program. Pre-requisites and co-requisites do not apply in this case.

NURS4515 Research and Evidence-Based Practice in Nursing 3 cr.

This course will examine the components of the research process. Emphasis is placed upon the research process, research designs, reading and critiquing research, and the use of research as a guide to nursing practice. Ethical considerations of research and practical aspects of research as a basis for evidence-based practice will provide a foundation for course discussions. A grade of C+ or better is required in nursing courses to continue in the Nursing program. Prerequisites: BIOL2503, BIOL2504, BIOL2502, and BIOL3115 with a C or better in all prerequisites science courses, MATH1200, MATH2200 with a C or higher, EXSC3105, a C+ or higher in NURS3002, NURS1200, NURS2103, NURS3000, and NURS2400. Co-requisites: NURS3305, NURS3600, and NURS4403.

*Online version is open only to students enrolled in the RN to BSN program. Pre-requisites and co-requisites do not apply in this case. **Course offered: Spring.**

NURS4901 Transition to Nursing Practice Practicum 1 cr. (NURS4901 combined with NURS4205 – see NURS4210)

During this course the student will experience a 15-hour practicum to develop his/her role as an entry level Registered Nurse and facilitate the transition from nursing student to professional nurse. The practicum will provide the student with the opportunity to observe and participate in a healthcare setting to identify clinical decision making issues common to the entry-level Registered Nurse. A grade of C+ or higher required in the practicum to pass the course and be eligible for graduation.

Prerequisites: Open only to students enrolled in the prelicensure BSN program. BIOL2503, BIOL2504, BIOL2502 with a C or better in all prerequisite science courses, MATH1200, MATH2200, INFO1001, EXSC3105, NURS3002, NURS2103, NURS2400, NURS3003, NURS4505, NURS4515, NURS3350, NURS3305, NURS3600, and NURS4403. Corequisites: NURS4205, NURS4200, and an open elective course.

PHIL1001 Introduction to Philosophy 3 cr.

Introduction through analysis of primary source selections to five philosophical models of the universe: classical realism, idealism, naturalism, existentialism, and either positivism or analytic philosophy.

Within each of the models the following areas will be studied: metaphysics, epistemology, ethics, social philosophy, philosophy of justice, philosophy of science, aesthetics, philosophy of religion and concluding or summary statement giving an overview of the model. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall, Spring.**

PHIL1300 Informal Logic and Critical Thinking 3 cr.

This course is an introduction to basic principles of informal logic and critical thinking. Emphasis is placed on different kinds of argument evaluation, and the analysis of arguments as they arise in various contexts, such as political debate, advertising, science, law, and ethics. **Meets the requirement for General Education and Humanities/Fine Arts elective.**

PHIL3001 Ethics 3 cr.

The student will be able to recognize and define the various types of formal logic processes used in argumentation and distinguish between valid and invalid arguments. The student will be able to identify the six basic types of value systems and distinguish between the variations in the systems. **Meets the requirement for General Education and Humanities/Fine Arts elective. Course offered: Fall, Spring.**

PHIL3300 Medical Ethics 3 cr.

This course is an examination of the various schools of moral philosophy and their application to ethical dilemmas that commonly arise in the medical field. The first half of the course emphasizes various formal ethical theories, such as teleological and deontological theories, which address the different approaches used in the creation of a personal code of ethics and the ethical principles guide a profession or a society. The second half of the course will have the student analyze common health care dilemmas and apply the theoretical principles and practical methods used in reaching ethical solutions to ethical problems. The areas of health care delivery, health care policy, and biomedical research will be addressed and the impact of current health care regulations will also be considered. Prerequisite: Sophomore standing. **Course offered: Fall.**

PHSC1001 Integrated Physical Science 4 cr.

This course is an introduction to the basic principles and concepts of the physical sciences. Topics covered will pertain to the fields of physics, chemistry, geology, and astronomy. Emphasis will be placed on how these various disciplines impact our everyday life activities. Throughout the course, opportunities to investigate application of various subject matter will be provided in weekly laboratory sessions. Topics will include: properties and states of matter, chemical reactions, multiple forms of energy (i.e. electrical, magnetic, sound, light, and heat), space and time, and the evolution of the universe. **Course offered: Spring.**

PHYS1003 "Life, the Universe, and Everything: An Introduction to Wu Li": A Conceptual Physics Course 3 cr.

This course is designed to introduce students on a conceptual level, to a large scope of physics, from classical mechanics to quantum theory. The course is designed as a 3-credit, non-lab science course. The emphasis will be on the broad concepts underlying the patterns and principles of natural phenomena. The applications and worked examples of real-life scenarios will be presented to ground the students and provide contextual meaning for the theories presented. Prerequisite: MATH1200. **Meets the requirement for General Education and Science elective. Course offered: Fall.**

PHYS2001 Physics I 4 cr.

This is an introductory algebra based course. The course introduces natural laws of physics which covers linear and circular motion, gravitational and frictional forces, rotational motion, work and energy, momentum, fluids, thermal physics, and wave motion. Prerequisite: MATH1200 Algebra. **Meets the requirement for General Education and Science elective. Course offered: Fall.**

PHYS2002 Physics II 4 cr.

Students will be introduced to the laws of physics which apply to electricity, magnetism, optics and nuclear energy. Special emphasis will placed on the relevance of other basic science material to such topics as nerve conduction, sensory transduction, diagnostic techniques (i.e. ultrasound, NMR, EKG, etc.), and nuclear medicine. Prerequisite: C or better in PHYS2001. **Meets the requirement for General Education and Science elective. Course offered: Spring.**

PSYC1001 Introduction to Psychology 3 cr.

An introduction to the basic concepts and fundamental principles of human behavior using the historical background of psychology as a foundation, and present theory and research as a tool to explore principles of learning, human development motivation, stress, personality, interpersonal skills and mental health. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

PSYC1002 Developmental Child Psychology 3 cr.

This course examines the major child development theories and research; their practical implications for parents, educators, and child care workers. Physical, cognitive, language, social personality, and moral development from conception through middle childhood are the focus of this course. Current issues such as the working parent, child abuse, divorce, etc. are explored and discussed. **Meets the requirement for General Education and Social Science elective. Course offered: Fall.**

PSYC1003 Basic Concepts and Principles in Applied Behavior Analysis 3 cr.

This course is the first in a three-course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification examination at the associates level in applied behavior analysis (BCABA). The course will provide an introduction to the basic concepts and principles of applied behavior analysis, along with a discussion of some of the ethical standards within the field. **Meets the requirement for General Education and Social Science elective. Course offered: Fall.**

PSYC1013 Practicum in Applied Behavior Analysis 6 cr.

This practicum is designed to provide students with supervised independent fieldwork. Students are placed with an agency that provides ABA services where they will work approximately 24 hours a week over a 14 week semester. As part of the practicum, the student will attend a group supervision session on campus every other week and be observed by an individual supervisor at their practicum site on the alternate weeks. An additional fee of \$1,000 will be charged for this course. **Meets the requirement for General Education and Social Science elective. Course offered: Spring.**

PSYC1107 Human Growth and Development 3 cr.

This course will emphasize the biological, psychosocial, cognitive, sexual, cultural, and moral development of the individual from conception through old age. The theories of Freud, Erikson, Piaget, Kohlberg, Kubler-Ross and other prominent psychologists will be applied to specific problems in the developmental process. **Meets the requirement for General Education, Science, and Social Science elective. Course offered: Fall, Spring.**

PSYC1500 Mental Health First Aid 1 cr.

This course is designed for non-psychology majors who anticipate working with the public. The course is designed to improve mental health literacy and provide skills needed to help someone who is developing a mental health problem or experiencing a mental health crisis. Students in the course will be eligible for certification in Mental Health First Aid. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

PSYC1501 Youth Mental Health 1 cr.

This course introduces common mental health challenges for youth, reviews typical adolescent development, and teaches a 5-step action plan for how to help young people in both crisis and non-crisis situations. Topics covered include anxiety, depression, substance use, disorders in which psychosis may occur, disruptive behavior disorders (including AD/HD), and eating disorders. Included in this course is the full 8-hour curriculum leading to certification in Youth Mental Health First Aid by the National Council for Behavioral Health. **Meets the requirement for General Education and Social Science elective. Course offered: Summer.**

PSYC1502 Family Dynamics in Addiction 1 cr.

This course provides an introduction to the family dynamics in relation to addiction. Intergenerational patterns of addiction in the family will be explored. In addition, other issues to be addressed will include: patterns of functioning, prescribed roles of individual family members, and how the system operates internally and externally with other institutions, such as the community, school, employers, etc. This course requires a 10 hour field placement in an appropriate agency. Prerequisite: PSYC 1500. **Course offered: Summer.**

PSYC1503 The Adolescent Experience 1 cr.

This course provides a brief introduction to theories of adolescent development, as well as an opportunity to examine the modern adolescent experience in the context of achievement motivation, family dynamics, peers & pop culture/media, and at-risk behaviors. Emphasis is on providing a context for viewing adolescents seen in human services settings. This course requires a 10 hour field placement in an appropriate agency. Prerequisite: PSYC 1501. **Meets the requirement for General Education and Social Science elective. Course offered: Spring.**

PSYC1504 Practical Psychopharmacology for Human Service Workers 1 cr.

This course provides an overview of the effects and side effects of psychiatric medications. The focus of the course will be on gaining knowledge useful in identifying: (1) whether or not a client is responding to pharmacological treatment, and (2) client behaviors indicating adverse effects of medication that should be reported to the client's healthcare provider. Prerequisites: PSYC 1500 or PSYC 1501.

Meets the requirement for General Education and Social Science elective. Course offered: Spring, Summer.

PSYC2001 Psychology of Adjustment 3 cr.

Discusses circumstances everyone faces, from birth to death. Topics include loneliness and love, turning points, friendship, human sexuality, marriage lifestyles, and the process of aging and death. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

PSYC2002 Psychology of Personality 3 cr.

Major theoretical approaches to understanding personality including psychodynamic, humanistic, and cognitive as well as the less traditional Gestalt and Reichian approaches are critically examined. Theoretical material will be applied to real-life experiences in a variety of experiential formats. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

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

This course is the second in a three-course sequence that, when successfully completed in conjunction with specific fieldwork requirements, prepares the participant to sit for national board certification examination at the associates level in applied behavior analysis (BCABA). The course will teach the student how to conduct descriptive behavioral assessments, and how to display and interpret data in single-subject designs. Prerequisite: PSYC1003. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring.**

PSYC2013 Practicum in Applied Behavior Analysis 6 cr.

This practicum is designed to provide students with supervised independent. Students are placed with an agency that provides ABA services where they will work approximately 24 hours a week over a 14 week semester. As part of the practicum, the student will attend a group supervision session on campus every other week and be observed by an individual supervisor at their practicum site on the alternate weeks. An additional fee of \$1,000 will be charged for this course. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring, Summer.**

PSYC2014 Writing for Psychology 3 cr.

This course focuses on the fundamentals of scientific writing and professional written communication relevant to the field of human services/psychology. The course involves students in the writing of literature reviews, communication of statistics, and modification of research results for oral communication and poster presentations. For psychology majors only. Prerequisite: ENGL1003.

Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring

PSYC2105 Social Psychology 3 cr.

This course provides the student with a working knowledge of how social situations affect behaviors, thoughts, and emotions. Topics include attraction, attitudes, prejudice, social roles, aggression, social perception and group dynamics. Readings will explore theories, research and application. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring.**

PSYC2107 Experimental Psychology 3 cr.

This course will introduce students to basic and applied research and experimental research methods in psychology. Students will read theory and research relevant to the various areas of study in psychology, such as self-esteem, romantic relationships and attraction, learning, stereotyping and prejudice, conformity and obedience, attitudes and persuasion, and judgment biases. Students will learn to read and critically evaluate psychological research while also learning to formulate their own research questions and create methodology to test these questions. The course will emphasize the importance of applied research and will introduce students to fields in which psychological research is used to solve real world problems in a community or organization. Prerequisite: PSYC 1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

PSYC2110 Cultural Competence for Human Service Workers 3 cr.

This course prepares human service workers in developing awareness and skills to provide culturally competent services to meet the needs of a changing population. Students examine three core principles: the worker must be self-reflective and examine biases within themselves and their profession; the worker must have core knowledge about minority group value systems, beliefs about health and personal problems, histories, traditions and natural systems of support inherent in one's culture; and the worker must be able to demonstrate an integration of this knowledge and personal reflection with practice skills. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall of even numbered years.**

PSYC2203 Understanding Diversity 3 cr.

In the United States, the rapidly changing demographics of the population have increased cultural diversity at all levels in all segments of society. The course will incorporate discussion of gender, socioeconomic status, religion, race, and ethnicity, as they affect various aspects of interpersonal interactions. Students will work "from the inside-out", learning to recognize the impact of their own cultures on their existing world views, and then comparing their cultural assumptions to those of people from other groups with the goal of developing more positive relations across cultures. Prerequisite: PSYC1001 or SOCI1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring of odd-numbered years.**

PSYC2300 Adolescents At-Risk 3 cr.

Theories of adolescent psychosexual, psychosocial, cognitive and biological development will be presented. The application of these theories and issues to understanding delinquency and drug abuse during adolescence will be discussed along with the reading of the pertinent psychological literature in these areas. Prerequisite: PSYC1002 or PSYC1107. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall of odd numbered years.**

PSYC2303 Psychopharmacology for Counselors 3 cr.

A practical introduction to psychotropic medications, providing information about how commonly prescribed medications are used and how they work in the human body. This course examines modern drug treatment for mental disorders including psychosis, mood disorders, and addictions, and addresses different classes of drugs in conjunction with diagnostic factors, effectiveness, side effects, risk factors and biological actions. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring.**

PSYC2506 Case Management Practice 3 cr.

Students will explore the essentials of case management with an emphasis on systems thinking. Students review the history of case management in human services, and examine the fundamental models, principles and components of case management in various human service settings, with an emphasis on current issues, trends and approaches. Topics include service delivery, crisis intervention, liaising between and among service providers. **Meets the requirement for General Education, Social Science, and Psychology elective.**

PSYC2603 Brain and Behavior 3 cr.

This survey course examines how biological factors influence behavior. Topics include organization of the brain, how the nervous system works, how body chemistry affects emotions, and genetic/temperament factors. These topics are applied to normal and abnormal behavior such as learning disabilities, sexuality and psychotic disorders. Prerequisites: PSYC1001 and any TWO of the following: Science courses with lab. **Meets the requirement for General Education, Science, Social Science, and Veterinary Science elective. Course offered: Fall.**

PSYC2705 Concepts and Principles in Applied Behavior Analysis 3 cr.

This course is the first in a four course sequence. The course will provide an introduction to the basic concepts and principles of applied behavior analysis. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring, Summer.**

PSYC2710 Assessment and Measurement in Behavior Analysis 3 cr.

This course is the second in a four course sequence. The course will teach the student how to conduct descriptive behavioral assessments, how to use various measures, and how to display and interpret data on Excel graphs. Prerequisite: PSYC2705. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring.**

PSYC2806 Educational Psychology 3 cr.

Theories of learning, instruction, curriculum, assessment and evaluation will be explored as they apply to pedagogy in a variety of educational contexts. The course will focus on behavioral, cognitive, and humanistic learning theories as well as the learning principles that will serve as a general background for becoming an effective, reflective educator. Prerequisite: a 1000-level psychology course. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring.**

PSYC2808 Psychological Tests and Measures 3 cr.

This course provides an introduction to the uses of psychological tests and to the techniques of test construction and evaluation. Topics include: a survey of common tests in the areas of general classification, differential testing of abilities and measurement of personality characteristics.

Prerequisites: PSYC1001, MATH1200, and MATH2200. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring of even numbered years.**

PSYC3003 Strategies for Changing Behavior 3 cr.

This course is the third in a three-course sequence. This course will review methodologies used to design ethical and effective behavior analytic interventions. Prerequisites: PSYC1003 and PSYC2003. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring.**

PSYC3013 Practicum in Applied Behavior Analysis 6 cr.

This practicum is designed to provide students with supervised independent fieldwork. Students are placed with an agency that provides ABA services where they will work approximately 24 hours a week over a 14 week semester. As part of the practicum, the student will attend a group supervision session on campus every other week and be observed by an individual supervisor at their practicum site on the alternate weeks. An additional fee of \$1,000 will be charged for this course. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring, Summer.**

PSYC3100 Cognitive Psychology 3 cr.

An introduction to how the human mind processes information. Topics include perception, attention, memory, learning and problem solving. The related topics of intelligence are covered. Practical applications in educational and clinical settings are considered. Prerequisites: PSYC1001 or PSYC1002. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring of odd numbered years.**

PSYC3200 Psychology of Family 3 cr.

This course surveys psychological issues related to the family. Family is defined to include diverse forms. Current theory and research are applied to topics such as partner selection, roles and relationships, stress and coping, domestic violence, and addictions. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall of even numbered years.**

PSYC3300 Addictions Counseling 3 cr.

This course is designed to provide students with a specific skill base for assessment and counseling of persons struggling with addictions. Students will also be introduced to the theory and empirically validated treatment approaches specifically developed for the special populations of those who are dually diagnosed, in chronic pain, and are adolescents and their families. Emphasis will be placed on developing competency in intake and assessment interviewing, behavioral treatment planning, and development of basic understanding of psychopharmacology as it applies to addiction counseling. Prerequisites: EXSC3205, PSYC2014, and PSYC3400 or PSYC3402 which may be taken concurrently and will require a waiver. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

PSYC3301 The 12 Core Functions of the Substance Abuse Counselor 3 cr.

This course is split into two sections; Core Functions of Counseling and Group Treatment. The course provides the student with the 12 core functions of addiction counseling and gives the student the fundamentals of running groups for addicted clients. The intent of introducing students to the core functions is to help them develop skills and competencies that will help them learn how to take clients through the treatment process from screening and intake, to treatment planning and counseling, ending with referral (if needed). The class will also introduce the student to the most widely used modality in substance abuse treatment, the group. We will explore the transtheoretical model of behavior change which is widely viewed as the evidence based modality that consistently produces positive outcomes. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

PSYC3305 Group Counseling 3 cr.

This course will expose students to the theories and techniques of working with clients in groups. The course will focus on group work as a method, and its relationship to other counseling techniques. Students will gain theoretical and experiential knowledge of group process, including leadership, membership, developmental stages, and types of groups. Prerequisites: must be taken concurrently or subsequent to PSYC3400 or PSYC3402. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall of odd numbered years.**

PSYC3400 Abnormal Psychology 3 cr.

This course studies important issues in mental/health illness. Problems in defining abnormality are discussed. Biological, psychodynamic, behavioral and family systems are examined. The wide spectrum of abnormal behavior from mild to severe as well as current trends in the treatment of these disorders, are discussed. This course may include field trips. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring.**

PSYC3402 Child Psychopathology 3 cr.

The goal of this course is to examine psychological theory, research and practice as it relates to the assessment, diagnosis, treatment, and prevention of psychological disorder of children. Prominent theories of developmental psychopathology will be integrated with current research in the child behavior disorders. Specific topics to be covered include attention-deficit disorder, conduct problems, fears and phobias, depression, autism and childhood-onset schizophrenia, eating disorders, sleep disorders, and elimination disorders. Prerequisites: PSYC1001 and PSYC1002 or PSYC1107. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring of even numbered years.**

PSYC3603 Positive Psychology 3 cr.

Positive Psychology is the scientific study of optimal human functioning. This course will consider human functioning at several levels, including biological, experiential, personal, relational, and cultural. The pillars of Positive Psychology as proposed by Dr. Seligman, the pleasant life, the good life and its corresponding signature strengths, and the meaningful life will all be explored. Enhancing the quality of life through Csikszentmihalyi's groundbreaking work on FLOW will expand the initial concepts of Positive Psychology. The topics of emotional intelligence, mindfulness, and schema therapy, based on the latest research in neuroscience and cognitive psychology, will all be addressed in their relationship to optimal human functioning. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring of even numbered years.**

PSYC3700 Sports Psychology 3 cr.

This course provides an introduction to the psychological variables that affect motivation, goal setting performance, anxiety and aggression in sport. Prerequisite: PSYC1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

PSYC3705 Beginning Strategies for Changing Behavior 3 cr.

This course is the third in a four course sequence. The course examines ethical issues faced by those working in the field of behavior analysis, introduces the experimental designs, and then begins the review of methodologies used to design ethical and effective behavior analytic interventions.

Prerequisites: PSYC2705 and PSYC2710. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Summer.**

PSYC3710 Advanced Strategies for Changing Behavior 3 cr.

This course is the fourth in a four course sequence. This course continues the review of methodologies used to design ethical and effective behavior analytic interventions. In addition, the course reviews behavior changes systems and the management and supervision of the behavioral services. Prerequisites: PSYC2705, PSYC2710, PSYC3705. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring, Summer.**

PSYC3902 Psychology Internship I and Seminar 3 cr.

This course is based on a service-learning model, and provides students with an introduction to the experience of working in a professional capacity in a human service setting. Students will complete 150 hours of related work at the placement site. Hours may include direct consumer contact, professional training's, supervision meetings, attendance at interdisciplinary meetings, home visitations, supervised assessments, and completion of related documentation. Students will receive on-site supervision on a regular basis, and will attend a weekly seminar on campus. Students are expected to work with the course instructor a minimum of 1 semester in advance to select a placement setting, arrange for initial interviews, and establish specific learning goals tailored to the individual student's needs. Prerequisite: PSYC3400 is a prerequisite or co-requisite for this course. Concurrent enrollment is permitted. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

PSYC3903 Psychology Internship II and Seminar 3 cr.

Supervised fieldwork in community agencies, hospitals, courts, or other related settings. Students will complete 150 hours of work at the placement site. Students also meet with faculty and other internship participants for discussion, integrating their practical experience with psychological theory and research. Prerequisites: PSYC3400 or PSYC3402 and a minimum of 2.0 GPA. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring.**

PSYC4001 Research Methods – Students who need this course should take PSYC4005**PSYC4005 Research Methods in Behavioral Sciences with Lab 4 cr.**

This course provides an introduction to the major research methods in the behavioral sciences, to include survey, experimental and field research. The logic, design and execution of the research process are considered with concern for elementary analysis of data. Laboratory exercises in data analysis and interpretation will include introduction to SPSS. Prerequisites: C or better in PSYC2107, PSYC2014, MATH2200. Students with an A in MATH 1200 may take MATH 2200 concurrently, through a prerequisite waiver. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall.**

PSYC4007 Advanced Research Methods in Psychology 1 cr.

This one-credit course may be repeated once for a total of two credits. The course is designed to engage students in various aspects of psychological research. Specific content will vary widely, reflecting the variety of questions and methods used in psychological research: collecting data, coding data, running statistical analyses, writing in APA style, and critically reflecting on research outcomes. All experiences will be aimed at providing substantial hands-on involvement in the research process and background reading in the research area. All students will be expected to attend a professional research conference with his/her research team. Prerequisite: previous or concurrent enrollment in ANSC4700 or JUST4001 or LGLS4100 or MKTG4105 or MKTG4001 or SOCI4001 or PSYC4001 and permission of instructor. Concurrent enrollment will require a waiver. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Spring.**

PSYC4200 Contemporary Issues in Psychology 3 cr.

Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived on the Becker website. Student may take course multiple times to earn credit for a different topic. Prerequisites: ENGL1003; PSYC1001 or SOCI1001. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring of even numbered years.**

PSYC4300 Substance Abuse Treatment in Groups 3 cr.

This course will provide students with theoretical and practical frameworks for developing skills in the area of substance abuse counseling methods, treatment modalities, and referral systems and procedures. Specific issues involving clients with substance dependency will be examined and will include substance dependent older adults, dually diagnosed clients, and patients with physical challenges. Students will also be exposed to basic psychopharmacology as it relates to addictions treatment. Ethics, assessment and treatment interventions will be emphasized. Prerequisites: EXSC3205, and PSYC3300 or PSYC3400 or PSYC3402. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Fall, Summer.**

PSYC4301 Counseling Children 3 cr.

This course sets the stage for understanding the child and family of today and tomorrow - their personas and the social, cultural, educational, and psychological environments that help shape them. Course focus will be on combining and integrating counseling skills with the therapeutic process, emphasizing how the counselor relates to the child and parent. Emphasis is placed on the process and practice specifically applied to the counseling of children and their parents. Course topics include problems in society and their effect on children, establishing a therapeutic relationship, choosing treatment strategies, counseling the developing child, individual and group counseling approaches, behavioral approaches with children, and counseling with parents. Prerequisites: PSYC3400 or PSYC3402. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring of odd numbered years.**

PSYC4306 Counseling Theory and Practice 3 cr.

This course offers an overview of several contemporary theoretical models of helping, and covers the skill needed to begin professional interviewing and counseling. Ethics and multicultural understanding are emphasized. Prerequisites: PSYC2014, and PSYC3400 or PSYC3402. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring of even numbered years.**

PSYC4600 Senior Seminar in Psychology 3 cr.

This is a capstone course requiring students to engage in an in-depth examination of a psychological issue. The student will carry out an original research project, provide an educational presentation, and produce a career portfolio. Prerequisite: PSYC4001 or PSYC4005. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring.**

PSYC4902 Psychology Honors Practicum 9 cr.

Students will engage in a minimum of 420 hours of supervised practicum at an advanced level, in professional settings geared toward individual student interests. Practicum students are required to engage in 35-40 hours of professional service per week, for minimum of 12 weeks. Students will be assigned to site supervisors and specific experiences will be tailored to individual interests. Students will complete a portfolio related to their experience, and will present a formal case study or empirical study to the Department of Teacher Education and Family studies upon completion of practicum hours. Students are expected to meet with the field placement coordinator for a minimum of 1 hour every two weeks. On site supervision is provided more frequently. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring.**

PSYC4903 Practicum in Addictions Counseling 6 cr.

This course is designed to provide students with the supervised practical training requirements that, in conjunction with specific courses and work experience, allow the student to sit for board certification as a Licensed Alcohol and Drug Counselor II through the Massachusetts Board of Registration/Office of Health and Human Services. Students are placed with an agency that provides addictions education and counseling, where they will work approximately 24 hours a week over a 14 week semester. As part of the practicum, the student will attend a group supervision and seminar class on campus every other week and be observed by an individual supervisor at their practicum site on the alternate weeks. An additional fee of \$1000 will be charged for this course. Prerequisites: EXSC3205, and PSYC3300 or PSYC3400 or PSYC3402, and a minimum GPA of 2.0. **Meets the requirement for General Education, Social Science, and Psychology elective. Course offered: Spring, Summer.**

SOCI1001 Introduction to Sociology 3 cr.

This course explores the scientific dimensions of the sociological enterprise. Students are introduced to orienting concepts like culture, socialization and role; the constructed nature of human meaning systems; and theory building in sociology. **Meets the requirement for General Education and Social Science elective. Course offered: Fall, Spring.**

SOCI2001 Criminology 3 cr.

Crime and the law are examined from diverse theoretical perspectives. Students use computer applications to interpret national crime statistics and the results of self-report and victim surveys. Prerequisite: PSYC1001 or SOCI1001. **Meets the requirement for General Education and Social Science elective. Course offered: Fall.**

SOCI2100 Women of the World: Health, Social Challenges, and Solutions 3 cr.

In this course, students study the patterns of inequality in various countries and how these inequalities affect women's health, education, and power. Students analyze women's critical health and social issues that influence their life experience, including those of children and men. Through lecture, discussion, writing, guest speakers, field trips, and films students have the opportunity to examine their own world views and learn how they can effect positive change in the world today. Prerequisite: PSYC1001 or PSYC1002 or SOCI1001. **Meets the requirement for General Education and Social Science elective.** Course offered: Spring.

SOCI2400 Social Problems 3 cr.

This course will provide students with insight into the social problems of today's society by examining three major theoretical perspectives: structural-functionalist, conflict, and symbolic interactionist. This class will cover, in a global context, oppression, poverty and economic inequality, homelessness, health care, race, ethnicity and immigration, work and unemployment, environmental problems and problems of globalization will be covered. In addition to understanding the consequences of social problems, students will learn strategies for action and responses to the problems. Prerequisite: PSYC1001 OR SOCI1001. **Meets the requirement for General Education, Social science, and Criminal Justice elective.** Course offered: Spring.

SOCI3001 Individual and Society 3 cr.

American society is studied for its impact on the formation of individual biographies. Relationships among modernization, culture, identity and personality are examined in detail. All topics are grounded in theories depicting the interplay of structure and action in everyday life. Prerequisite: PSYC1001 or SOCI1001. **Meets the requirement for General Education and Social Science elective.** Course offered: Fall.

SOCI3100 Juvenile Delinquency 3 cr.

This course investigates the history and causes of American delinquency. Special consideration is given to cultural definitions of the child, their historical transformation and their impact on the criminal justice system. Theories of delinquency are examined in detail. Prerequisite: PSYC1001 or SOCI1001. **Meets the requirement for General Education, Social science, and Criminal Justice elective.** Course offered: Spring.

SOCI3110 Human Geography 3 cr.

This course focuses on the ways through which all places on Earth are interconnected and how the human use of the Earth's surface varies over space. Major topics covered will be: the human perception of earth space and the ways people give order to space; the growth and distribution of human population; the localization and spatial characteristics of patterns of settlement and land use; geopolitics and colonialism; environmental geography; the geography of economic development and modernization; the principles of the analysis of spatial diffusion; spatial aspects of retail marketing; and the geographic analysis of gender issues, racism, poverty, sports, religion, and cultural nuances. Prerequisites: SOCI1001 and HUMN2103. **Meets the requirement for General Education and Social Science elective.**

SOCI3200 Deviance and Social Control 3 cr.

This course examines the forms and causes of individual, professional and organizational deviance. The role of society in the definition and management of misconduct is evaluated. Examples of deviant activities that may be considered include suicide, mental illness, alcoholism, cults, white-collar crime and political corruption. Prerequisite: PSYC1001 or SOCI1001. **Meets the requirement for General Education, Social science, and Criminal Justice elective.** Course offered: Spring.

SOCI3400 Social Innovator's Toolbox 3 cr.

This course will expose students to the concepts and practices associated with social innovation and social entrepreneurship – i.e., the development and growth of new, sustainable, and scalable approaches to the major social economic, and environmental challenges facing society. Students will learn a variety of tools and methods used for the development, implementation, management, and assessment of social solutions that they will be able to use over the course of their careers. Prerequisite: CORE2003.

Corequisite: SOCI4900 Internship College for Social Innovation. **Meets the requirement for General Education and Social Science elective.**

SOCI3600 Global Poverty and Economic Inequality 3 cr.

This course covers contemporary methods in defining and measuring poverty worldwide, sociological theories of poverty and economic inequality, the nature, causes, and consequences of poverty, and ways to alleviate poverty. Prerequisite: SOCI2400 or HUMN2103. **Meets the requirement for General Education and Social Science elective.**

Course offered: Fall, Spring.

SOCI4001 Data Analysis 3 cr.

The fundamentals of quantitative analysis are introduced in a computer environment. Analytical procedures are presented as tools for exploration and discovery and as tools for the verification of research hypotheses. The course provides experience in the use of database, spreadsheet and statistical programs. Problems for analysis are found in both institutional and social research settings.

Prerequisites: PSYC1001 or SOCI1001, and MATH2200. **Meets the requirement for General Education and Social Science elective.** **Course offered: Spring.**

SOCI4900 Internship College for Social Innovation 12 cr.

College for Social Innovation aims to educate and inspire the next generation of problem solvers for humanity's tough challenges. At a macro level, we hope that Social Innovation Fellows will go on to do good in the world in a way that best fits your temperament, strengths, and passions. At a micro level, this course will help you develop four Power Tools and two essential Habits of Mind that will improve your ability to solve problems big and small. The Curriculum Framework was developed through more than a year of research, testing, and iteration. We believe that developing these Tools and Habits will start you down the path to becoming a great problem solver, which will in turn make you a more valuable employee now and in the future, and help you to become a contributor to solving the many tough challenges facing humanity. Prerequisite: CORE2003. Co-requisite: SOCI3400 Social Innovator's Toolbox. **Meets the requirement for General Education and Social Science elective.**

SPAN1001 Conversational Spanish I 3 cr.

The course is designed to develop the student's knowledge of the four foundational skills of a foreign language study: listening, speaking, reading and writing. Course methodology is based on audio-lingual approach, using guided conversation and oral and written dialogues to introduce grammatical structures. Oral and written drills, individual oral assignments, impromptu discussions and readings serve to reinforce learned materials. Emphasis is on enhancing the student's conversational ability. Course content covers a variety of topics, culturally enriching, practical and flexible to the needs of the student. **Meets the requirement for Humanities elective.** **Course offered: Fall, Spring.**

SPAN1002 Conversational Spanish II 3 cr.

This course is designed to further develop the student's ability to speak and understand Spanish. Conversation is stressed. Readings are used as further basis of conversation and grammar review. Prerequisite: SPAN1001. **Meets the requirement for Humanities elective.** **Course offered: Fall, Spring.**

SPMG2302 Introduction to Sport Management 3 cr.

This course is designed to give students basic skills to develop and implement an employee health/fitness program. Emphasis is placed on facility development management, programming and leadership procedures. Assignments and case studies will be utilized in the learning process.

Meets the requirement for Business elective. Course offered: Fall.

SPMG2400 Sport Marketing and Event Management 3 cr.

This course provides an in-depth view of the many aspects of sport marketing as it has evolved into a multi-billion dollar industry. The first theme views sports as one the vehicles to promote a product, service or organization. Students explore how non-sport related business can benefit from using sports as part of their marketing program. The second theme focuses on the application of marketing principles and theories to promote sports and sport related products (including professional, college or amateur teams, events and recreation). Students discuss the various ways that organizations plan and manage sporting and other types of events, and will gain an understanding of the economic impact of, as well as possible careers in, the sports industry. Case studies and current events will provide an opportunity to put the course material into practice. Assignments and case studies will be utilized in the learning process. **Meets the requirement for Business elective. Course offered: Spring.**

SPMG2600 Sport Administration and Governance 3 cr.

This course covers the administrative elements of human resource management, motivation, interpersonal communication and staff development/evaluation as they relate to sports. Students will analyze the governing organizations of sports at the recreational, secondary, intercollegiate, professional, international, amateur, and Olympic levels. Assignments and case studies will be utilized in the learning process. **Meets the requirement for Business elective. Course offered: Fall.**

SPMG3100 Sports Facility Management 3 cr.

This course deals with the business side of sports programs and facility marketing and management. It addresses the issues of facility type, location, scheduling, construction and maintenance, as well as the management and conduct of recreation programs for nonprofit organizations, colleges and universities, and profit-making enterprises like health/fitness centers, country clubs/resorts and sport retail operations. Assignments and case studies will be utilized in the learning process. Prerequisite: SPMG2302 or SPMG2600. **Meets the requirement for Business elective. Course offered: Fall.**

SPMG4200 Legal and Ethical Issues in Sports 3 cr.

This course will provide students interested in becoming a sport professional, with an understanding of the legal system as a whole and the unique legal problems and responsibilities faced in managing a sports activity. The sports professional will be educated to identify potential legal liability and to avoid unnecessary legal risks. Assignments and case studies will be utilized in the learning process.

Prerequisite: LGLS2205 or SPMG2302 or SPMG2600. **Meets the requirement for Business elective. Course offered: Spring.**

SPMG4500 Sport Finance and Economics 3 cr.

Students will analyze financial and economic concepts applied to sports environments. Sport enterprises will be viewed as economic systems, which must respond to changes in supply, demand, and market trends. Students will explore fundraising for various constituencies as well as overall budgeting and fiscal management of sports organizations. Assignments and case studies will be utilized in the learning process. Prerequisites: MATH1200 and SPMG2302 or SPMG2600. **Meets the requirement for Business elective. Course offered: Fall.**

SPMG4900 Internship in Sport 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. **Meets the requirement for Business elective. Course offered: Fall, Spring.**

VTSC1101 Clinical Veterinary Experience I 4 cr.

Lecture and laboratory introduce the role of the veterinary technician. Medical terminology, principles of animal behavior, basic nursing care, client communication, medical record keeping and career choices are discussed in lecture. Laboratories include animal restraint and handling, nursing skills, physical exams and clinical rotations through the Becker Veterinary Clinic. Students are responsible for completing a kennel duty rotation. Students are required to have a lab coat, name tag, and stethoscope. These may be purchased through the College at a reduced cost or students may provide their own, approved by the course director. Open only to students in the AVMA accredited program. Prerequisite OR co-requisite: BIOL1005. **Course offered: Fall, Spring.**

VTSC1102 Clinical Veterinary Experience II 4 cr.

This course consists of both lecture and laboratory components which focus, in greater detail, on the aspects of veterinary nursing which were introduced in VTSC1101. These nursing aspects include more advanced techniques such as venipuncture, intravenous catheterization, bandaging, and introduction to electrocardiography. It also encompasses a clinical symptoms approach to common diseases, poisonings and emergency medicine. Students are required to participate in clinical work consisting of rotations through the Becker Veterinary Clinic, laboratory techniques review, and kennel duty. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101 and BIOL1005 both with a grade of C or better; prerequisite OR co-requisite: BIOL1006. A grade of C or better is required for graduation in the AVMA accredited programs. **Course offered: Fall, Spring.**

VTSC1200 Veterinary Pharmacology 2 cr.

A study of commonly used drugs in veterinary medicine and their practical application for the veterinary technician. Emphasis on classification of drugs, their uses and side effects; weights and measures; drug dosage calculations; the handling, labeling and dispensing of medications; and pharmacy inventory and maintenance. This course requires a strong background in algebra, the metric system, and an understanding of word problems. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, BIOL1005, CHEM1001 and MATH1200 or MATF1002 with concurrent enrollment in MATH1200. **Course offered: Fall, Spring.**

VTSC2000 Laboratory Animal Science 2 cr.

This course introduces the student to the laboratory animal research environment and to the selection, care, and use of laboratory animals. Topics include restraint, identification, husbandry, breeding, nutrition, behavior, and anatomy and physiology of small animal laboratory species. The course also surveys common disease, breeding, housing, governmental regulations, sentinel programs, equipment and research ethics in biomedical research. Laboratories will include animal restraint, physical examination, gavage, injection and sampling techniques, radiology, parasitology, anesthesia, and necropsy as applied to laboratory animals. For students in the AVMA accredited veterinary technology programs: Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, BIOL1006, CHEM1001, CHEM1002, and MATH1200. For Laboratory Animal Science majors: BIOL1001, BIOL1002, CHEM1001, CHEM 1002, MATH1200, and ANSC1010. **Course offered: Fall, Spring.**

VTSC2001 Veterinary Radiology 2 cr.

Lectures explore the theory and principles of radiology and radiation safety. Laboratories train students in the basic skills of radiology including operating the x-ray machine, manual and automatic film processing, animal restraint and positioning, and special diagnostic techniques. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, VTSC1006, CHEM1001, CHEM1002, and MATH1200. **Course offered: Fall, Spring.**

VTSC2005 Introduction to Laboratory Animal Health 1 cr.

This course will provide specific information about laboratory animal health to students in the laboratory animal science concentration during the first semester of their sophomore year. The course will build on basic animal health assessment skills presented in ANSC1010 Animal Health Skills, a first year course that focuses primarily on cats and dogs. VTSC2005 will apply those concepts to lab animals and offer additional details and depth associated with the health and diagnostics of several species used in animal research. The continuing risks to high quality animal health and welfare will also be described. Background information, to provide context and relevant history of the development about lab animal preventative medicine principles and practices will augment the introductory information offered in VTSC2000 Introduction to Laboratory Animal Science. Prerequisite: ANSC 1010.

Corequisite: VTSC 2000. **Students must be enrolled in the Lab Animal Science major or seek special permission from the VTSC 2005 course instructor.**

VTSC2101 Veterinary Hematology 3 cr.

The two hours of lecture covers the theory behind laboratory work involved with hematology and clinical chemistry. The 2 hour laboratory provides the hands-on experience in doing clinical laboratory examinations on blood and body fluids. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, VTSC1006, CHEM1001, CHEM1002, and MATH1200. **Course offered: Fall, Spring.**

VTSC2102 Clinical Pathology 3 cr.

The two hours of lecture will present the theory behind clinical urinalysis, parasitology and cytology of domestic and non-domestic species. The two hour laboratory provides clinical experience in urinalysis, cytological examinations and the various methods used to detect parasites. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, VTSC1006, CHEM1001, CHEM1002, and MATH1200. **Course offered: Fall, Spring.**

VTSC2201 Farm Animal Skills 2 cr.

The student is introduced to five common domestic large animal species. Emphasis is placed on anatomy, restraint, physical examination, nursing care, diagnostic techniques, reproduction and common diseases. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, BIOL1006, CHEM1001, CHEM1002, and MATH1200. **Course offered: Fall, Spring.**

VTSC2500 Veterinary Anesthesia & Surgery 4 cr.

The two hours of lecture topics include principles of patient evaluation, anesthetic drugs, equipment management, instrumentation, anesthetic pollution safety, surgical nursing, dental diseases, overview of common surgical procedures and anesthetic emergencies. The laboratory consists of 4 hours and emphasizes practical aspects of aseptic technique, patient monitoring, surgical instrumentation, preparation for surgical procedures and dental prophylaxis. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, BIOL1006, CHEM1001, CHEM1002, and MATH1200. **Course offered: Fall, Spring.**

VTSC2900 Externship Module I 2 cr.

This externship offers clinical experience in animal care, medication and treatment of veterinary patients and exposure to diagnostic techniques, technical laboratory skills and record keeping used in veterinary practice. Students perform their externships between the freshman and sophomore years or during intersession for a minimum of 200 hours. Students must have acquired a cumulative GPA of 2.0 or better in order to participate in externships. Transportation and locating an appropriate externship site are the sole responsibility of the student. The externship site must be pre-approved by the course coordinator prior to the end of the semester preceding the externship. Also, during the semester, students participate in a seminar class. A student who has successfully completed the 200 hour externship but has changed majors may remain in the course to earn the credits. Students will be withdrawn if the 200 hour externship is not successfully completed and verified prior to the end of the drop/add period. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, BIOL1006, CHEM1001, and MATH1200. **Course offered: Fall, Spring.**

VTSC2902 Practical Experience I 1 cr.

As part of the second year of the Veterinary Technology curriculum students participate in both exam room sessions in the Lenfest Animal Health Center and in field trips, accompanied by faculty and staff to nearby animal shelters and humane societies. The intent and purpose is for students to practice skills learned in VTSC1101, VTSC1102 and on the externship. A minimum number of sessions will be required of all students, and will be scheduled by staff to fit the students' class schedules and availability of facilities. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, BIOL1006, CHEM1001, CHEM1002, and MATH1200.

VTSC2900 or co-requisite. VTSC2902 and VTSC2904 may be taken concurrently. **Course offered: Fall, Spring.**

VTSC2904 Practical Experience II 1 cr.

This course is a continuation of the experiences in VTSC2902. As part of the second year of the Veterinary Technology curriculum students participate in both exam room sessions in the Lenfest Animal Health Center and in field trips, accompanied by faculty and staff to nearby animal shelters and humane societies. The intent and purpose is for students to practice skills learned in VTSC1101, VTSC1102 and on the externship. A minimum number of sessions will be required of all students, and will be scheduled by staff to fit the students' class schedules and availability of facilities. Open only to students in the AVMA accredited program. Prerequisites: VTSC1101, VTSC1102, VTSC1200, BIOL1005, BIOL1006, CHEM1001, CHEM1002, and MATH1200. VTSC2900 or co-requisite. VTSC2902 and VTSC2904 may be taken concurrently. **Course offered: Fall, Spring.**

VTSC30UG Special Topics Course 3 cr.

Courses offered under the designation Special Topics may represent emerging issues or specialized content not represented in the curriculum. Each special topics course has a course description which is archived on the Becker website. Student may take course multiple times to earn credit for a different topic. **Course offered: Fall, Spring.**

VTSC 3001 Veterinary Practice Management 3 cr.

This course presents basic concepts in managerial theory by examining such functions as leadership, organization, supervision, and evaluation. Lecture material includes a thorough examination of current techniques in veterinary facility management, technician utilization, client communication, marketing, record keeping, inventory control, and malpractice. Pre-requisites: open to Veterinary Science students with a minimum of 49 credits or by permission from instructor.

VTSC3100 Laboratory Animal Management 3 cr.

This course introduces scientific and technical information about organizations, associations and regulations that apply to animal laboratory care in a research facility. The course 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: ANSC2000 or VTSC2000. **Meets the requirement for Science for Biology elective. Course offered: Spring.**

VTSC3200 Clinical Animal Behavior 3 cr.

This course takes an in-depth look at animal behavior in a variety of species in subject areas such as communications, social structure, biological rhythms, sexual and maternal behavior, development, learning, training, aggression, enrichment and abnormal behavior as it relates to drugs, pain, medical problems, environmental issues and stress. A variety of evaluation methods will be covered as well. Prerequisites: Junior Status. Restriction: Open to majors within the School of Animal Studies and Natural Sciences only, or Animal Behavior minors with completion of ANSC2202 – Domestic Animal Behavior. **Meets the requirement for a Veterinary Science elective. Meets the requirement for Veterinary Science elective. Course offered: Spring.**

VTSC3300 Disaster Preparedness for Animals 3 cr.

This course introduces the student to the issues and tasks involved with disaster preparedness in general as well as the unique situations involved with rescuing and sheltering all types of animals. Various topics will include networking with veterinary facilities, animal shelters, human shelters and municipal authorities. Natural disasters as well as agro-terrorism will be covered. A study of past disasters will be part of the course, to determine what has worked and what has not. An on-line course component presented by FEMA's National Incident Management System will also be a part of the course. Prerequisite: Junior status in the Animal Studies Programs. A C or better is required for graduation. **Meets the requirement for Veterinary Science and Equine elective. Course offered: Fall.**

VTSC3400 Immunology 3 cr.

This course surveys the basic principles of immunology with emphasis on knowledge gained from human and animal research. Topics to be discussed include: innate immunity and complement; antibody structure, antigen recognition; humoral and cell mediated immunity; over-reactive and deficient immune systems; and immunization. The course instructor assumes that the student has prior knowledge of basic cell biology, cell physiology, and microbiology. Prerequisite: BIOL1001 and BIOL1002 OR BIOL1005 and BIOL1006; and BIOL2502. **Meets the requirement for Science for Biology and Veterinary Science elective. Course offered: Spring.**

VTSC3401 Pathophysiology of Disease 3 cr.

Presented in an organ system format, this course provides a comparative approach to animal health and disease of the major domestic animal species. Eight major systems will be explored (integumentary, musculoskeletal, neurosensory, cardiovascular, respiratory, digestive, renal and reproductive). The anatomy and physiology shared by all animals is reviewed with the comparative differences emphasized. Clinical signs of organ dysfunction, pathophysiology, diagnostic tests and treatment/prevention strategies are discussed using examples of selected important diseases. The course instructor assumes that the student has prior knowledge of basic physiological principles, common diagnostic procedures, and common therapeutic practices in veterinary medicine. Prerequisites: BIOL1005 and BIOL1006 OR BIOL2503 and BIOL2504. **Meets the requirement for Science for Biology elective. Course offered: Fall.**

VTSC3600 Clinical Veterinary Nutrition 3 cr.

This course covers macro- and micronutrients and their function in the health of livestock, companion, laboratory and exotic species of animals. The first half of the semester includes a discussion of animal nutrition, feed compositions and formulations, ration balancing, gastrointestinal physiology, metabolism and regulation thus providing the backbone for the second half of the semester. These topics are covered relevant to a variety of animal species and commercial diets of healthy animals. Ration formulation will require formulations and analytics to determine optimum nutrition for any given species and condition. The second half of the course addresses the role nutrition plays in diseases of companion animals, specifically dogs and cats with case studies and extrapolation to other species. Different feeding modalities will also be covered. A strong understanding of biochemistry, gastrointestinal physiology and nutrient metabolism relevant to disease processes will be necessary to understand how to formulate or judge appropriate therapeutic diets. Prerequisites: Either BIOL3003 or CHEM3003. **Course offered: Fall.**

VTSC4102 Laboratory Animal Diseases 3 cr.

This course introduces the common diseases and conditions of common lab animal species. Clinical signs, diagnostic tests, recommended treatments and possible prevention techniques in the research facility will be discussed. Students will gain knowledge of zoonotic and public health concerns, and understand the impact these diseases and conditions can have on the research being conducted. Prerequisites: ANSC3401, ANSC3402, and VTSC3100; or VTSC3401; or permission of the instructor. **Meets the requirement for Science for Biology and Veterinary Science elective. Course offered: Fall.**

VTSC4401 Companion Animal Diseases 3 cr.

This course introduces the more common diseases, clinical signs, diagnostic tests, recommended treatments, and prevention strategies. The companion animal species covered in this course include dog, cat, horse, pig, bird, reptile and ruminant. Prerequisites: VTSC3401.

Meets the requirement for Veterinary Science elective. Course offered: Spring.

VTSC4500 Senior Seminar 3 cr.

This senior capstone course is designed to provide a weekly seminar series presented by the students. The seminars are presented in an informal setting to permit free exchange between the students and the presenters. A wide range of topics are discussed to introduce the student to career opportunities and activities in various fields of medicine and research. The student is expected to do journal research and write and present reports based on their findings. Students may be required to participate in the yearly Vet Tech continuing education seminar. A case study with references is also required. Prerequisite or Corequisite: VTSC4901 or VTSC4905. **Course offered: Fall, Spring.**

VTSC4901 Externship Module IIIa - 3 cr.

Module IIIa of the externship is a structured program that provides students with career-related experiences and education under direct supervision at approved externship sites. Students may choose one of 3 options for a total of 3, 6, or 9 credits. The minimum for Module III is 200 hrs, representing the 3 credits of VTSC4901. The externship may be completed in one semester or spread across multiple semesters. Students should register for the module in the semester in which they expect to complete the required hours. The final Module III Externship hours are meant to be taken concurrently with the capstone course VTSC4500 Senior Seminar. These hours may be completed at Clinical/Zoo/Wildlife/Research or other approved sites. Prerequisite: Prerequisite: VTSC2900, VTSC2902, VTSC2904.

Course offered: Fall, Spring.

VTSC4902 Externship Module IIIb - 3 cr.

An additional 200 hours externship, combined with VTSC4901 for a total of 400 module III hours. Prerequisite or Corequisite: VTSC4901. **Course offered: Fall, Spring.**

VTSC4903 Externship Module IIIc - 3 cr.

An additional 200 hours externship, combined with VTSC4901 and VTSC4902 for a total of 600 module III hours. Prerequisite or Corequisite: VTSC4902. **Course offered: Fall, Spring.**

VTSC4904 Externship Module IIId - 3 cr.

An additional 200 hour externship combined with VTSC4901 VTSC 4902 and VTSC4903 for a total of 800 module III hours. Prerequisite or Corequisite: VTSC4903. **Course offered: Fall, Spring for Mt Ida transfer students only with the permission of the Dean.**

VTSC4905 PVET Externship I 3cr.

This is a structured externship experience that provides students with career-related experiences and education within the field of veterinary science. Under the supervision of the Outreach Program Liaison and facility supervisor, the student has the opportunity to individualize his/her externship experience for personal and professional development. Requires a minimum of 144 hours of externship experience. Prerequisite: Senior status in the Pre-veterinary program or approval of advisor and program chair.

VTSC4906 PVET Externship II 3 cr.

An additional 144 hours externship, combined with VTSC4905 for a total of 288 hours. Prerequisite or Corequisite: VTSC4905.

Graduate Course Descriptions

COUN5000 Fundamentals of Therapeutic Interaction 3cr.

This course examines contemporary and alternative counseling theories that provide the student with models to conceptualize client presentation and that help the student select appropriate counseling interventions. Further, students will be exposed to an overview of the basic counseling skills used by the professional counselor working with children, adolescents and adults. Included is a laboratory experience in which the student is trained in an application of counseling relationship-building and working-stage skills via role play activities with other students in the class.

COUN5001 Human Growth and Development in Counseling 3 cr.

This course is designed to help students understand the major theories of development, understand how heredity and the environment play a role in development and gain an understanding of how individuals develop from biosocial, cognitive, and psychosocial frameworks through the lifespan. Students will learn the relationship between these theories and gain skills to apply this knowledge in the conception and development of biopsychosocial assessments in the clinical setting.

COUN5002 Consultation Team 1 cr.

This seminar provides students with their first exposure to a clinical experience, in a supervised campus-based setting. Students participate in weekly team supervision meetings with an approved clinical supervisor and peers who are actively seeing clients at the clinic site and in field placements. Students will view peer role plays, live and video-recorded client sessions, and will participate in discussions of supervisory relationships, clinical conceptualizations, treatment issues, practice within a managed care system, collaboration with prescribing providers, psychologists, social workers, case managers, and mental health system management. This course is designed to transition students to their participation in COUN5010. Prerequisite: COUN5000 with a B or better.

COUN5003 Professional Orientation and Ethical Practice 3 cr.

This course introduces studies that provide an overview of historical, contemporary, clinical and training issues in the practice of clinical mental health counseling. The course also provides information related to the following aspects of clinical mental health counseling practice: (a) professional roles and responsibilities; (b) professional organizations; (c) state and national credentialing; and (d) counselor advocacy and self-care. Lastly, the student will be provided with an in-depth understanding of the current version of the American Counseling Association (ACA) Code of Ethics and state professional counselor licensing act and regulations.

COUN5004 Social Emotional Learning and Mental Health 3 cr.

This course introduces students to the basic concepts and strategies related to social emotional learning (SEL), its use in school settings and its integration with mental health counseling strategies. Students will acquire an understanding of the core concepts related to social emotional learning, and will explore the development of social emotional learning across the lifespan, on neurotypical and atypical trajectories. Prevention and intervention strategies from a variety of SEL approaches will be reviewed, including Positive Behavioral Interventions and Support (PBIS) and Social Thinking®, as well as other specific, evidence-based SEL programs. Issues related to SEL in local, state and federal policies will also be addressed.

COUN5005 DBT Skills Group, Behavioral Analysis and Exposure Treatments 3 cr.

This course offers learning the skills training component of Dialectical Behavior Therapy (DBT), an empirically supported treatment approach for individuals with emotion regulation problems. Behavioral analysis assessment focuses on determining precipitating events before a behavioral issue and the ensuing consequences. The study of exposure treatments will focus on treatment for those who have a history of trauma.

COUN5006 Diagnosis and Treatment Planning 3 cr.

This course provides an exploration of etiology, classification, differential diagnosis, and prognosis issues surrounding the full spectrum of mental disorders. Included in this course is a comprehensive overview of the utilization of the current version of the Diagnostic and Statistical Manual of Mental Disorders in a culturally diverse society. Also included is an overview of record keeping and treatment planning strategies required of today's mental health professional. Emphasis is given to developmental considerations in all diagnostic categories.

COUN5010 Counseling Practicum 3 cr.

This course involves intensely supervised practice of professional counseling in a campus-based clinic setting. For this practicum experience, students provide a variety of individual and group direct service activities for clients. Students are required to complete a minimum of 100 hours of counseling related services. At least 40 hours are documented face-to-face client contact or peer role play hours. A minimum of 25 hours of supervision is provided, with at least 10 hours of individual and 5 hours of group supervision. Prerequisite: COUN5002 with a B or better; COUN5006 with a B or better; Enrollment in the MA in MHC program.

COUN5011 Principles and Methods of Assessment 3 cr.

This course introduces studies that provide an understanding of individual and group approaches to assessment and evaluation in a culturally diverse society. This course also provides an understanding of assessment in counseling through: (a) an overview of basic counseling assessment concepts, (b) an understanding of test construction, (c) familiarity with instruments and (d) an overview of test interpretation. It also provides a discussion of typical problems and approaches to individual and group testing in the areas of intelligence, aptitude, achievement, interest and personality.

COUN5012 Co-occurring Disorders: Substance Abuse and Mental Illness 3 cr.

This course will address theories of addiction counseling and application of these theories to work with individuals, couples, families, and groups. Students will develop conceptual knowledge, practical skills, and self-awareness concerning the etiology of addiction, assessment strategies, diagnosis and treatment planning. This course will provide an understanding of the mentally ill and chemically abusive or dependent client. Intervention, advocacy, education and support for the client and those that are part of his/her environment are the central focus. Social, environmental, and multicultural factors that contribute resources for these clients will be explored.

COUN5015 Social and Cultural Diversity Issues in Counseling 3 cr.

This course explores social and cultural diversity in counseling, including diverse racial, ethnic, religious, and cultural heritages and sexual identities and socioeconomic statuses. It includes the study of historical and current issues of equality as applied to socially marginalized groups, and personal reflection on the impact of one's own attitude, beliefs, world-view, and racial and cultural identity on the counseling process. Strategies for employing culturally competent counseling in individual, group and family modalities, including specific behavioral skills and application of various theories of racial and cultural identity development, are discussed along with the role of the counselor as an advocate for the members of marginalized groups.

COUN5016 Group Approaches in Mental Health Counseling 3 cr.

This course includes studies that provide both theoretical and experiential understandings of group purpose, development, dynamics, theories, methods, skills and other group approaches in a culturally diverse society. Issues of group counseling leadership, stages, skills, methods, and ethics issues are also examined.

COUN5017 Career Counseling and Development 3 cr.

This course introduces studies that provide an understanding of career development and related life factors. This course also provides an understanding of career development theories, program planning, educational planning, assessment techniques, and applied career counseling processes, including those applicable to specific populations in a global economy.

COUN5018 Research Methods and Program Evaluation in Mental Health 3 cr.

This course provides an understanding of research design, research methods, statistical analysis, needs assessment strategies and program evaluation in the field of mental health counseling. The course is designed to assist students in becoming critical consumers of research methods such as qualitative, quantitative, single-case designs, action research, and outcome-based research studies. Students are introduced to ethical and culturally relevant strategies for interpreting and reporting the results of research studies accurately and effectively. This course also provides students with basic competency in the planning, research and writing phases of the grant proposal process, engaging in each phase of the process and demonstrating learning through development of a funding proposal that is relevant to their area of concentration or research.

COUN5019 Research Practicum 1 cr.

Students will select a field placement involving 42 hours of ongoing research or program development and evaluation in mental health. The course constitutes the first half of a two-part placement, and serves to provide the foundation for the development of the master's thesis or counseling project.

Prerequisite: COUN5018.

COUN5020 Research Practicum II 1 cr.

Students will select a field placement involving 42 hours of ongoing research or program development and evaluation in mental health. The course constitutes the second half of a two-part placement, and serves to provide the foundation for the development of the master's thesis or counseling project.

Prerequisite: COUN5019.

COUN5022 Advanced Topics in Social Emotional Learning and School Mental Health 4 cr.

This course will examine informal and formal assessment tools used to identify and evaluate complex social learning issues across the lifespan. Scientific literature regarding effective treatments for individuals with typical co-occurring mental health disorders will be reviewed, with emphasis on assessing the learning and processing styles of these individuals. The course will also provide supervised practical experiences that allow students to apply observation, assessment and intervention skills and strategies related to social emotional learning issues. Practicum will include individual and group processes, as well as school consultation. Prerequisites: COUN5004; COUN5010 with a B or better.

COUN5023 Advanced Dialectical Behavioral Treatment Principles 4 cr.

This course offers in depth learning of the core principles of DBT needed to conduct individual treatment. The model developed by Marsha Linehan, Ph.D. includes the underlying theoretical principles of dialectics, setting the agenda in session, determining secondary targets, and the use of strategies to prompt commitment to treatment, cognitive modification and change. Additionally, determining level of risk and coaching in crisis will be learned to help individuals in crisis. Alec Miller's modifications for adolescents will be included. Lecture, discussion, role plays, and video recording are used to facilitate learning the DBT model. Prerequisites: COUN5005; COUN5010 with a B or better; COUN5016 (may be taken concurrently).

COUN5030 Counseling Internship I 3 cr.

This course requires the completion of an internship experience in clinical mental health counseling, comprised of 300 clock hours of counseling related experience, 120 of which must involve direct client contact. This course is intended to reflect the comprehensive work experience of a clinical mental health counselor at a field placement site. The student must be supervised on an individual and weekly basis by an approved site supervisor and must also participate in weekly consultation team under the tutelage of a qualified college supervisor at the college clinic site. Prerequisites: COUN5003; COUN5010 with a B or better. **(ENROLLMENT IN COUN5040 IS CONTINGENT ON EVALUATION OF PERFORMANCE IN COUN5030).**

COUN5031 Psychopharmacology for Mental Health Professionals 3 cr.

This course will provide an overview of psychopharmacological medications, their basic classification, indications, contraindications, and side effects will be provided. The goal of this course is to introduce the students to basic terminology and models of pharmacokinetics as they relate to clinical mental health counseling and pharmacological treatment.

COUN5032 Consultation and Program Evaluation 3 cr.

This course provides an introduction to studies related to the provision of counselor consultation services and program evaluation procedures. The course places special emphasis on effective communication with school personnel, and government agencies and on the application of current theories and practices related to the critical role of today's professional consulting counselor. Students in this program will be involved in experiential learning activities in the community.

COUN5033 Mental Health Consultation and Models of Supervision 3 cr.

This course provides an introduction to mental health consultation services and clinical supervision models. The course focuses on areas of practice in the mental health counseling field that extend beyond traditional treatments, including outreach and training. Special emphasis is placed on effective communication with service recipients (individuals and systems), as well as the application of current theories and practices related to the critical role of today's professional counselor. Prerequisites: None.

COUN5040 Counseling Internship II 3 cr.

This course requires the completion of an internship experience in clinical mental health counseling, comprised of 300 clock hours of counseling related experience, 120 of which must involve direct client contact. This course is intended to reflect the comprehensive work experience of a clinical mental health counselor at a field placement site. The student must be supervised on an individual and weekly basis by an approved site supervisor and must also participate in weekly consultation team under the tutelage of a qualified college supervisor at the college clinic site. Prerequisites: COUN5003; COUN5010 and COUN5030 with a B or better.

Students must complete COUN5030 with a grade of B or better. Students must also earn a B or better on the college supervisor summative clinical evaluation and receive satisfactory performance evaluations in all relevant competency areas noted on the site supervisor summative clinical evaluation.

COUN5050 Thesis in Mental Health Counseling I 1 cr.

The Master's Thesis represents the culmination of a student's work at Becker College. The Master's Thesis will typically include formal hypothesis testing of theoretical concepts, and generally will be oriented toward eventual publication of the work in a peer-reviewed, professional journal. Students will be expected to develop a thorough review of relevant literature and methodology, and prepare a final manuscript that adheres to the Department's Thesis Guidelines. There is no formal seminar connected with this course; however, students are expected to meet regularly with their thesis advisor. By the end of this course, students will be engaged in collection and/or analysis of data and developing a working draft of the complete manuscript. Prerequisites: COUN5003, COUN5018.

COUN5051 Mental Health Counseling Project I 1 cr.

The Master's Mental Health Counseling Project represents the culmination of a student's work at Becker College. It is a thorough study of a specific counseling topic that results in a written synthesis of the literature, assessing both the problem and at least one way to best address the issue from a counselor's perspective, and generally will be oriented toward eventual publication of the work in a peer-reviewed professional journal. Students will be expected to prepare a final manuscript that adheres to the Department's Mental Health Counseling Project Guidelines. There is no formal seminar connected with this course; however, students are expected to meet regularly with their project advisor. By the end of this course, students will be engaged in development of a program or intervention based on research of the literature, as well as a working draft of the complete manuscript. Prerequisites: COUN5003, COUN5018

COUN5060 Thesis in Mental Health Counseling II 1 cr.

The Master's Thesis represents the culmination of a student's work at Becker College. The Master's Thesis will typically include formal hypothesis testing of theoretical concepts, and generally will be oriented toward eventual publication of the work in a peer-reviewed, professional journal. Students will be expected to develop a thorough review of relevant literature and methodology, and prepare a final manuscript that adheres to the Department's Thesis Guidelines. There is no formal seminar connected with this course; however, students are expected to meet regularly with their thesis advisor. At the culmination of this course, students will defend their thesis to their Committee, and hold an open colloquium on the topic of their research. Prerequisites: COUN5050 and approval of the project by the Department.

COUN 5061 Mental Health Counseling Project II 1 cr.

The Mental Health Counseling Project represents the culmination of a student's work at Becker College. It is a thorough study of a specific counseling topic that results in a written synthesis of the literature, assessing both the problem and at least one way to best address the issue from a counselor's perspective, and generally will be oriented toward eventual publication of the work in a peer-reviewed professional journal. Students will be expected to prepare a final manuscript that adheres to the Department's Mental Health Counseling Project Guidelines. There is no formal seminar connected with this course; however, students are expected to meet regularly with their project advisor. At the culmination of this course, students will defend their Mental Health Counseling Project to their Committee, and hold an open colloquium on the topic of their project. Prerequisites: COUN5051 and approval of the project by the Department.

GAME5100 Directed Graduate Studio 9 cr.

This course will serve as the core of the graduate student's academic research focus and project development work. The student will begin an exploratory study of a specific facet of interactive media in the arts which will form a foundation for his/her first-year projects and second year thesis. Prescribed readings will be customized by the faculty to help situate each student's work within the historical timeline of interactive media. The MFA student will gain hands-on experience by leveraging the resources of a collaborative production environment as well as performing as a lead within his/her declared area of expertise which will be facilitated through the School of Design and Technology's existing undergraduate Game Studios. The student commitment for this 9-credit course includes:

- Working weekly with an undergraduate studio course in a leadership role as a project manager and team-lead for his/her unique interactive media discipline.
- Extensively researching an area related to and allowing for exploration in his/her chosen focus, selected with the guidance of faculty and culminating in cited paper[s].
- Working consistently on rapid prototyping and development of his/her own independent project to be showcased during the exhibition at the end of the term.
- Meeting weekly with his/her faculty mentor to structure readings and responses while engaging in an evolving dialogue of the research topic and participating in active critique of individual work produced.

GAME5900 Group Seminar 3 cr.

This course will introduce new and returning students to the rigorous expectations of a terminal degree and serve as a gateway to the culture of graduate school. It is an opportunity for students to come together as a collegiate group to establish a forum for peer understanding, support, and critical discourse of issues related to the development of interactive media. The course will include an exploration into research methods and professional practice, guest lectures, student presentations, class discussions, and open forum critiques.

GAME5201 History of Interactive Design and Analysis 3 cr.

This course covers the history and evolution of interactive media, exploring two roads to examine overlapping approaches, similarities, and differences between interactive games and interactive art. Focusing on technical innovations, design elements, and societal influences, this course takes a wide view to look at the breadth of interactive design, while also focusing in specifically on pertinent genres, trends, and developments that have emerged across various components of this diverse field. We will examine historical examples of these developments and the significance of their emergence and evolutions, while also critiquing their methodologies to evaluate their successes, failures, and impacts on current practices. Two course books are used: one exploring interactive games, and the other interactive art. A thorough examination of each angle results in firm groundwork for a practitioner involved with interactive design.

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Course Catalog Addendum:

The curriculum plan below reflects a change to correct an error on page 151 of the 2018-2019 course catalog. The bold italic text indicates the change that was made. The curriculum below is the correct program for the Associate of Science in Nursing degree.

Freshman Year

<i>Semester I</i>		<i>Credits</i>	<i>Semester II</i>		<i>Credits</i>
BIOL2503	Anatomy & Physiology I	4	PSYC1107	Human Growth and Development	3
CORE1001	Managing Transitions: Change as a Norm	3	BIOL2504	Anatomy & Physiology II	4
NURS1103	Essentials of Health Assessment and Promotion (Theory/Class 2.5 cr./2.5 hrs.) (Lab 0.5 cr./ 1.5 hrs.)	3	NURS1105	Nursing II (Theory/Class 5 cr./5 hrs.) (Lab 1.0 cr./3 hrs.) (Clinical Practice 4 cr. / 12 hrs.)	10
NURS1104	Fundamentals of Nursing (Theory/Class 2.5 / 2.5 hrs.) (Lab 0.5 cr. / 1.5 hrs. (Clinical Practice 1.0 cr. / 3 hrs)	4			
PSYC1001	Introduction to Psychology	3			
	Semester Total:	17		Semester Total:	17

Sophomore Year

<i>Semester I</i>			<i>Semester II</i>		
		<i>Credits</i>			<i>Credits</i>
CORE-ENGL	The New Normal: Exploring Unstructured Problems	3	MATH2200	Statistics	3
NURS2201	Nursing III (Theory/Class 5 cr. / 5 hrs.) (Lab 1.0 cr. / 3 hrs.) (Clinical 4 cr. / 12 hrs.)	10	NURS2202	Nursing IV (Theory / Class 5 cr. / 5 hrs.) (Lab 1.0 cr. / 3 hrs.) (Clinical 4 cr. / 12 hrs.)	10
BIOL2502	Microbiology	4	NURS2205	Seminar in Nursing	2
			<i>ENGL1003</i>	<i>Writing about Literature</i>	<i>3</i>
	Semester Total:	17		Semester Total:	18
				Total Credits:	69

Bachelor of Science in Nursing (RN to BSN)

Addendum: The RN to BSN program was inadvertently included in the catalog twice. The correct information is contained on pages 156-158. The curriculum on page 180-181 is incorrect for the 2018-19 catalog. Please disregard the incorrect program information.