

Medaille College Undergraduate Academic Catalog 2009-2010

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This catalog is for informational purposes only and is subject to change without notice. The provisions of this catalog do not constitute a contract, express or implied, between any applicant, student or faculty member and Medaille College. The College reserves the right to withdraw courses or programs at any time, to change fees or tuition, calendar, curriculum, faculty assignments, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever determined by the College and will apply to both prospective students and those already enrolled. Courses are not necessarily offered each semester or each year. Students should always consult with their College advisors to confirm all information. The College retains the exclusive right to judge academic proficiency and may decline to award any degree, certificate, or other evidence of successful completion of a program, curriculum, or course of instruction based thereupon. While some academic programs described in this catalog are designed for the purposes of qualifying students for registration, certification, or licensure in a profession, successful completion of any such program in no way assures registration, certification, or licensure by an agency other than Medaille College.

GENERAL INFORMATION

ACCREDITATION

Medaille College is chartered by the Board of Regents of The University of the State of New York. It is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, (215) 662-5606. The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and The Council for Higher Education Accreditation. The College's degree programs are registered by the New York State Education Department, Office of Higher Education, Cultural Education Center, Room 5B28, Albany, NY 12230, (518) 474-5851.

Medaille College, through its Business Department, has the following degree programs accredited by the International Assembly for Collegiate Business Education (IACBE): the Master of Business Administration Degree; the Bachelor of Business Administration Degree; the Bachelor of Science Degree in Business Administration, and in Sport Management; and the Associate in Science Degree in Business.

Medaille College's Associate in Science Degree in Veterinary Technology is accredited by the American Veterinary Medical Association (AVMA). The College's memberships include the Commission on Independent Colleges and Universities, the Association of Governing Boards of Universities and Colleges, and The Council of Independent Colleges.

Medaille College is an affirmative action/equal opportunity employer. Further, it admits students of any race, color, national and ethnic origin, and age to all rights, privileges, programs, and activities generally accorded its students. In conformance with Title IX, 1972 Education Amendments, it does not discriminate on the basis of sex, race, color, handicap, national and ethnic origin or age in the administration of its educational policies, admissions policies, scholarship and local programs, and athletic and other institutionally administered programs.

CAMPUS FACILITIES

Medaille College's Buffalo Campus is located on 13 attractive acres in the geographical center of Buffalo. The Buffalo Campus includes the buildings and facilities listed below. For more information and images, please visit our [Campus Tour](#). The College also maintains branch campuses in Amherst and Rochester for our School of Adult and Graduate Education programs.

Main Building

Centrally located on campus, the Main Building houses offices for Academic Affairs, Business, Financial Aid, Registrar, and the President. Also located in the Main Building are the Information Office, the College radio lab, TV studio, photography laboratory, classrooms, and department and faculty offices. Elevator service for the handicapped is available in this building. A lift provides accessibility from the exterior and skywalks allow access to Huber Hall and the Kevin I. Sullivan Campus Center. An auditorium/lecture hall and a veterinary technology animal housing facility, containing a modern clinical laboratory, computer instructional lab and offices, are connected to the Main Building.

Downey Science Building

The Downey Science Building, opened in 1987, contains a chemistry lab, two biology labs, an animal technology lab, and faculty offices. It is connected to the Main Building by an atrium and to Huber Hall by a skywalk. The building is named in honor of Dr. Leo R. Downey, President of the College, 1978-1987.

Huber Hall

Huber Hall contains classrooms, faculty offices, the Academic Computing Center, the New Media Institute (multimedia lab) and the Medaille College Library. The Academic Computing Center consists of two electronic classrooms and an open lab containing contemporary PCs connected to the Internet via fiber-optic cabling and a T3 line. Current Microsoft Office software applications are available along with a variety of multimedia and course specific applications. Library services, including the online catalog, 24/7 access to online research information, and over 3,000 full text online periodical titles, are accessible through the Library's web site.

Cooperative arrangements with various Colleges and universities in the area and across the state provide access to a wide range of research materials. The Medaille College Libraries collections contain more than 54,000 print volumes, over 30,000 electronic books, and subscriptions to more than 200 print and electronic journals. Full-text articles are available through subscription databases which range from general to subject-specific. Individual study carrels, study tables, and an informal lounge area are available for the convenience of students. The building is named in honor of Dr. Alice Huber, SSJ, President of the College, 1968-1974.

Kevin I. Sullivan Campus Center

Medaille's Kevin I. Sullivan Campus Center, opened in 1994, is the primary facility for campus activities. The building features a gymnasium, running track, weight and exercise room, locker rooms, student affairs offices, lounges, the College Store, food service, and a multi-purpose room. The building is named in honor of Kevin I. Sullivan, President of the College, 1987-2001.

Residence Halls – North and South

A three-story Residence Hall (North), containing 140 student beds, a kitchen and lounge, computer lab, and laundry rooms, was built in 2001. This facility has a mix of both traditional dormitory and apartment style rooms. A second Residence Hall (South), a five-story structure built in 2003, accommodates over 250 resident students. Traditional dormitory rooms, a lounge, computer stations, and laundry rooms can be found in this facility.

Admissions Building

The Admissions Building serves as the offices for our Undergraduate Admissions Team. This architecturally distinctive building is on the west side of the driveway as one enters the campus.

73 Humboldt Parkway

Housed in this location, east of the driveway, is the College Relations office, which manages alumni relations, development, and communications operations. The first floor also houses the offices of the *Perspective*, the campus student newspaper, and *INCite*, the campus magazine.

77 Humboldt

This house, the third along Humboldt Parkway, is home to the School of Education. The School of Education encompasses undergraduate and graduate programs, and includes the Student Teaching Placement Office, which is a valuable resource for aspiring educational professionals. In addition, this building is home to Medaille's Reading Center. The Reading Center is open to all students grades K-6 in the Buffalo area. Our clinic is staffed by graduate students working towards a master's degree as Literacy Specialists. Tutors work one-on-one with students, first assessing and then analyzing assessment materials to provide the most prescriptive instruction possible. Seven professors have offices in this space, and a conference room is available. The main entrance to this building is in the back of the house.

85 and 91 Humboldt

Business Department can be found in 85 and 91 Humboldt Parkway. They are among several of the beautiful, historic Buffalo homes that have been converted into useful academic and office space for our students and faculty. Each house has classroom space that works well for seminar-type courses where students are encouraged to have open discussions. Areas for small meetings, with full-size conference tables, are also available.

95, 103 and 121 Humboldt Residences

These houses are furnished, decorated and organized with students in mind. Each has a full kitchen, complete with pots and pans, dishes, microwaves and major appliances. Vacuums and other necessities needed for apartment-style living, such as cleaning supplies are supplied by Residence Life. Each residence houses 6-11 students.

107 Humboldt - Information Technology

107 Humboldt Parkway houses our Information Technology staff and equipment. Here, you will find the Helpdesk, which can assist with network password difficulties, computer hardware issues, and all your technology questions.

117 Humboldt - Wellness Center

117 Humboldt houses the Wellness Center. This building is home to the [Health Center](#) and [Counseling Center](#).

Parking

Limited student parking is provided on campus where students may park in the lots at no charge provided they have appropriate parking tags for their vehicles. Parking tags are available in the Campus Public Safety Office located at 2 Agassiz Circle. Vehicles without tags are subject to ticketing. Reserved parking for visitors and for physically handicapped individuals is also provided. Temporary stickers are available at the Information Office, just up the stairs of the center entrance in the Main Building. Medaille College is not responsible for theft or damage for any vehicle parked in its parking lots or to any personal property contained within. The College reserves the right to have unauthorized or improperly parked vehicles ticketed or towed at the expense of the owner.

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Branch Campuses: Amherst and Rochester

Our branch campus in Amherst offers our graduate programs and Accelerated Learning Program, while our Rochester campus offers our Accelerated Learning Program. Classrooms are equipped with audio-visual aids and are wired for Internet accessibility. Ample parking is available.

HISTORY

With three campuses in Western New York, Medaille College is a dynamic private, four-year College committed to serving the higher education needs of Western and Central New York, and Southern Ontario. The College is located within the historic Olmsted Crescent in the heart of Buffalo, New York, with branch campuses in Amherst and Rochester. The Institution is known for its flexible delivery systems, offering master's, bachelor's, and associate degrees.

Medaille College traces its roots to 1875, when it was founded by the Sisters of St. Joseph as an institute to prepare teachers. In 1937, the Sisters received an absolute charter from New York State and their institution was named Mount St. Joseph Teachers College, chartered to grant baccalaureate degrees in education.

In 1968, the Sisters of St. Joseph, led by Alice Huber, SSJ, Ph.D., initiated a change in the charter, which would create a new, co-educational College. New York State granted this charter and Medaille College was born.

In the 1970s, Medaille experienced rapid expansion. Since that time, student enrollment has grown tremendously and the Downey Science Building was completed in 1985. In 1991, the College implemented a resident student program, attracting students from throughout New York State and Southern Ontario. In 1994, Medaille's Kevin I. Sullivan Campus Center opened, offering students a perfect setting for athletic, dining, and recreational activities. The Sullivan Campus Center, with its Trbovich Alumni Tower, serves as home to the College's National Collegiate Athletic Association Division III sports program. In the fall of 2001, Medaille opened its first on-campus residence hall, offering on-campus living for more than 140 students.

In 2003-04, the College opened a second on-campus residence hall, expanded the Sullivan Campus Center, renovated the Huber Hall Library, added technologically-enhanced smart classrooms, remodeled an Agassiz Circle landmark as a new home for the Admissions Office, and installed a new main parking lot and quadrangle greenspace.

Expansion has also continued at Medaille's branch campuses. With a need for more space and upgraded facilities, the Amherst campus moved to its new location at 30 Wilson Road, Williamsville, NY, in May 2007. And in June 2009, the Rochester campus relocated to 1880 South Winton Road in Rochester, with classrooms, study space and an expanded library in a dedicated facility.

In June 2007, Medaille welcomed its sixth president, Dr. Richard T. Jurasek. Under his leadership, the College is committed to developing partnerships with local organizations, and to contributing to the educational, civic and economic development of the region.

LOCATIONS

Buffalo Campus

[Medaille College's Buffalo Campus](#) is located in Buffalo, New York, on an attractive, tree-lined urban campus at the intersection of Route 198 (Scajaquada Expressway) and Parkside Avenue. The Campus is within the Olmsted Crescent, a historic area of parkways and landscape designed by Frederick Law Olmsted.

Adjacent to Delaware Park and the Buffalo Zoological Gardens, our Buffalo Campus is easily accessible by car, [bus or Metro Rail](#). The College is served by the Humboldt-Hospital NFTA rapid transit station, and [a circulator shuttle](#) runs frequently between auxiliary parking at the Zoo and campus. In addition, Medaille is close to the world famous [Albright-Knox Art Gallery](#), the [Buffalo and Erie County Historical Society Building](#), the [Buffalo Museum of Science](#), and the [Buffalo and Erie County Library](#). Also, with Canada as Buffalo's neighbor, Niagara Falls and Toronto are within a 30 to 90 minute drive.

The Buffalo Campus is home to undergraduate programs, athletic facilities and administrative offices.

Amherst Campus

[Our Amherst campus](#) is located at 30 Wilson Drive, Williamsville, NY 14226. The campus is easily accessible by Main Street (Route 5) or the NYS Thruway (Route 90).

The Amherst campus houses the Accelerated Learning Program, graduate education programs, the Canadian education program, and courses for graduate programs in mental health counseling and psychology.

Rochester Campus

[Our Rochester campus](#) of Medaille College offers undergraduate and graduate degrees through the [Accelerated Learning Program](#). Located at Cambridge Place, 1880 South Winton Road in Rochester, this new facility was designed with adult learners in mind. Classrooms are equipped with audio-visual aids and are wired for Internet accessibility. Cohort mailboxes are located in the classroom wing. Administrative offices located at this campus include the School of Adult and Graduate Education Admissions Office, Student Services, Academic Services, and Program Representatives. Financial Aid and Accounting offices are located at the Amherst Branch Campus. Ample parking is available.

Campus Tour

Detailed information about the facilities at each campus are available at our [Campus Tour web site](#).

MISSION STATEMENT

Medaille College concentrates on excellence in teaching, with an emphasis on personal attention to its diverse student body. Its curriculum provides a solid liberal arts and sciences foundation with early access to career-oriented education. The faculty and all of those involved in the mission of education challenge students and themselves to the highest possible standards of achievement, but that challenge is balanced by support for every individual student and a

concern that each one succeeds.

The College is committed to providing its students with a quality, broad-based liberal education appropriate to personal development, professional success, and participation in the life of the community. This Mission commitment is reflected in the list of essential core competencies that follows:

Comprehensive Education: fundamental rather than limited in application or purpose, embracing career skills, core values, and life goals.

Critical Thinking: intellectual discernment and an active faculty of judgment.

Communication: the ability to write effectively and speak articulately.

Citizenship: awareness of democratic traditions and the responsibilities they entail.

Engagement: involvement with the world, locally and globally; compassionate interaction with others, unselfish recognition of values larger than oneself.

Employability: short-term through exposure to local opportunities, long-term through acquisition of adaptable skills and professional versatility.

Analytical skill: foundations in math and logic.

Technological aptitude: knowledge of the current, flexibility in preparation for the future.

Cultural literacy: grounding in the traditions of human intellectual and artistic achievement.

Consciousness of diversity: awareness and sensitivity of the richness of human possibility.

Campus educators are dedicated to creating an effective educational environment in which students will successfully achieve these critical educational objectives.

APPLYING FOR ADMISSION

Admissions Policy

Medaille College accepts students from varied backgrounds whose academic and extracurricular records indicate they have the potential to succeed.

Consideration is given to academic preparation as evidenced by courses taken, test scores, life experiences, and standardized test scores. However, admission to the College does not automatically entitle the student to admission into any particular program. In conformance with Title IX, 1972 Education Amendments, the College does not discriminate on the basis of sex, race, color, handicap, national and ethnic origin or age in the administration of its educational policies, admissions policies, scholarship and student aid, athletic, or other institutionally administered programs.

When to Apply

See the College's Academic Calendar in this catalog to find out when each semester or program cohort begins.

1. Apply to Medaille

Obtain an application

Visit our admissions web site. Applications filed online are free. Paper applications may be requested by writing or telephoning the Admissions Office, Medaille College, Agassiz Circle,

Buffalo, New York 14214; (716) 880-2200 or (800) 292-1582. Paper applications must be accompanied by a non-refundable \$25 fee.

2. Submit transcripts

- a. If you are applying as a first-time college student, ask your high school to send your transcript to Medaille's Admissions Office.
- b. If you are applying as a transfer student, submit official transcripts from all colleges you have previously attended as well as your high school transcript.

3. Submit Standardized test scores

If you are applying to Medaille directly from high school, you must submit SAT or ACT scores.

GED

Medaille College also accepts the High School Equivalency Diploma (GED) for eligible students interested in returning to school.

4. Next Steps: Credential review

Your application will be reviewed by admissions once you have completed steps 1 through 3. Applications and all supportive credentials become the property of Medaille College and will not be returned to the applicant.

5. Notification/acceptance

Medaille College follows a policy of "rolling admissions." You will be notified of your admissions decision within two weeks after you have completed the application process. Acceptance is conditional until final semester/year grades have been submitted.

6. The tuition deposit

To confirm your acceptance at Medaille College, you will be required to pay a \$100 tuition deposit. You should submit your deposit within one month of your acceptance, although you have until May 1 in compliance with the College Entrance Examination Board's Candidates' Reply Date Agreement. The deposit is refundable if requested by May 1 of the year in which you plan to enter Medaille and will be credited to your first semester's tuition. After acceptance, resident students will be required to pay an additional \$100 deposit in order to reserve on-campus housing. The housing deposit is not refundable.

7. Testing

Prior to acceptance, some students may be requested to take placement tests in math, reading and writing. The scores will be used to place students in appropriate courses. All students should refer to their specific program sections in this catalog for possible additional testing requirements.

8. Proof of Immunization

New York State law requires that any college student born after January 1957 must provide

medical proof of immunization for measles, mumps, and rubella prior to enrollment. Contact the Student Affairs Office at (716) 880-2218 for further information.

9. Early Admissions for High School Students

Medaille offers an Early Admissions Program in order to provide increased educational opportunities for qualified high school students. The admissions policy for the program is based primarily on the New York State Education Department Early Admissions Guidelines. Two types of early admissions are available:

- a. non-matriculated, in which the student retains his/ her high school status; and
- b. matriculated, in which the student studies full-time under supervision at the college level before completing formal course work for the high school diploma.

Your guidance counselor or a Medaille admissions counselor can give you further information on Early Admissions.

Advanced Placement

High school students may earn Medaille College credit by taking college-level courses in their high schools. This program is sponsored by the College Entrance Board. Your guidance counselor can help you learn how to obtain Advanced Placement.

College Scholars Program

The Medaille College Scholars Program is an innovative honors program in which students with strong academic credentials and high school records of active extracurricular participation can develop the skills needed to engage challenging issues. The Program combines honors-level General Education Core courses with a suite of mentoring opportunities that aim to encourage vigorous intellectual inquiry, effective leadership ability, and solid social and moral commitment. Students participating in the Program register for special honors sections of nine interdisciplinary liberal arts and sciences courses that link together to reinforce fundamental skills and concepts. Mentoring opportunities include a variety of co-curricular activities that bring honors faculty, administrators, staff, and students together outside of the classroom.

Benefits to students participating in the Program include:

- Special honors scholarship awards;
- A challenging and richly integrated honors curriculum in which courses are carefully designed to interconnect, reinforcing important critical thinking tools, communication skills, and scholarly ideas;
- Unique opportunities for mentoring from honors faculty, administrators, and staff, including special honors receptions, presentations, and other events;
- Flexible advisement and registration procedures to ensure enrollment in honors courses on schedule and in sequence;
- Official recognition at commencement.
- Furthermore, because the College Scholars Program is built around honors-level sections of Medaille's General Education Core courses, talented and committed full-time day

students pursuing any of the College's baccalaureate degree programs are eligible to participate.

Articulation Agreements

Medaille College works with the region's two-year Colleges, BOCES programs, and high schools to facilitate student transfer of College-level credit and to welcome transfer students to our academic community.

The College is presently in the process of updating formal transfer articulation agreements with the area's two-year institutions in order to enhance the transfer process for students seeking to complete a quality baccalaureate-degree program. Please contact the Registrar's Office when inquiring about the transfer of earned credits.

You may access the most current information about Medaille College's dual enrollment 2+2 articulation agreements at www.medaille.edu/academics/transfers.

Transfer Credits

Medaille's transfer policy permits acceptance of credit earned at other regionally accredited Colleges and institutions of higher learning. The acceptance of credit for a core course which is over 20 years old will be determined by the department chairperson in consultation with appropriate department faculty. Students who wish to have credits earned at other institutions applied toward fulfillment of their course of study at Medaille should check with the Admissions Office for an evaluation of these credentials.

A maximum of 90 credit hours may be transferred toward a baccalaureate degree from other regionally accredited institutions; however, no more than 72 hours may be transferred from two-year Colleges. A maximum of 45 credit hours toward an associate degree may be accepted in transfer from other regionally accredited institutions. Only those credits are accepted that relate to the degree program they will enter.

Transfer Students Holding an Associate's Degree

Medaille College will ordinarily grant full credit (a minimum of 60 credits) for completed coursework to transfer students from two-year Colleges who have successfully earned an A.A. or A.S. degree. As necessary and appropriate, the College will grant credit for transfer courses with C- or D grades and will count these courses toward the completion of matriculation requirements. In certain instances, College policy regarding an acceptable passing grade in a required and/or prerequisite course may necessitate that a student repeat a course in order to meet the minimum standard required of all Medaille students.

Transfer Students Without a Degree

In the area of a student's major program of study only grades of "C" or better are transferable. Medaille may accept in transfer up to 12 credit hours of "D" grades as liberal arts electives or free electives provided that the overall transfer average is at least 2.0.

Only credit is transferable; grades, quality points, and cumulative averages do not transfer.

International Students

International students must meet the standard admission criteria of Medaille College. In addition, they must present evidence that they have command of the English language. A minimum score of 550 (paper-based exam) or 213 (computer-based exam) is required on the Test of English as a Foreign Language (TOEFL). Certified transcripts of secondary and College work must be submitted. When not in English, the transcript should include certified translations. Since federal and/or state financial aid is not available to international students, they are required to present certified evidence of sufficient funding to cover their educational expenses.

Students With Disabilities

In compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Medaille College does not discriminate on the basis of disability. Medaille College endeavors to assist students on an individual basis with any expressed concerns. Disability Services assists students with disabilities in all aspects of College life. Based on the submission of appropriate documentation, College personnel do as much as is reasonable to ensure that individuals with disabilities achieve independence and fully participate in the educational process in a comprehensively accessible environment. Students requesting services and/or accommodations must contact the Director of the Academic Support Center directly.

Matriculation

When you are accepted by the College as a candidate for a degree or certificate in a specific program, you are considered to be matriculated. However, you may take up to 15 credit hours at Medaille without being a candidate for a degree or certificate; in this case you are considered non-matriculated. Financial Aid is not available to non-matriculating students. If you wish non-matriculated status, it is not necessary to submit transcripts. However, you need to apply and register for your course(s) through the Admissions Office. After acquiring 15 credit hours, you must officially apply to the College for matriculation in a specific program.

Part-time/Full-time Status

Students who carry fewer than twelve credit hours during any given semester are classified as part-time students. Full-time students carry at least twelve credit hours per semester.

Accelerated Learning Program (ALP) in Amherst and Rochester

Application to the [Accelerated Learning Program](#) is a separate process. For complete details on these programs, including admission procedures, degree requirements, course descriptions, and financial information, contact the Admissions office at (716) 631-1061 or toll-free (888) 252-2235.

CAMPUS LIFE

Student Involvement Center

Co-curricular (campus) activities are a valuable part of a student's collegiate experience. Involvement complements a student's academic work by providing opportunities to pursue

interests, gain valuable experiences, and develop leadership and management skills. It also offers an opportunity to socialize within Medaille's diverse population. Additionally, participation in co-curricular activities increases a student's marketability upon graduation.

Student Government Association

The Student Involvement Center through the Student Government Association (S.G.A.) coordinates student activities. The S.G.A. Finance Committee distributes the Student Activity Fee funds to all of the various clubs and organizations. All of the diverse groups, which operate under the auspices of S.G.A., are described below.

The membership of the S.G.A. consists of:

1. The Executive Board
 - a. President
 - b. Vice President for Legislation
 - c. Vice President for Programming
 - d. Treasurer
 - e. Secretary
 - f. Public Relations Office
 - g. Chairperson of Club Council
2. The Student Representatives
 - a. Senators (9)
 - b. Freshmen Senators (3)

To run for a Student Government position, students may pick up an application and petition from the Student Affairs Office, Campus Center 203. Elections for the Executive Board and upper Senators are held during the Spring Semester. Freshmen Senators and any other vacant positions are elected at the beginning of the Fall Semester.

The Student Government Association's Office is located on the second floor of the Campus Center within the Clubs and Organizations room, C217.

Student Activities Board (S.A.B.)

The Student Activities Board is the programming arm of the Student Government Association (S.G.A.). Students have the opportunity to plan a variety of activities, which represent the interests of a diverse student population. In any given year, this may include parties, boat rides, camping and ski trips, theater excursions, lectures, sports events and much more. S.A.B. compliments the traditional events, which are held on an annual basis: the Fall and Spring Picnics, the annual Holiday Party, and the Awards Banquet.

The Executive Committee of the Student Activities Board consists of the S.G.A. Vice President for Programming, Treasurer, and Secretary. The V.P. for Programming serves on the Student Government Executive Board and is elected by the student body.

Student Clubs and Organizations

Clubs related to [academic majors, communication, cultural, recreational and service learning](#) are available for those students interested.

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To learn more about or sign up for any of the clubs/organizations, contact the Student Involvement Center (Campus Center Room 215) at (716) 880-2127.

Intramurals and Recreation

Medaille College offers a variety of sports at the intramural level of competition. Student interest determines those sports offered. Recreational activities include aerobics, bowling, camping, golf, and skiing. These are just a few of the activities available. For more information contact Student Involvement Center at 880-2127.

NCAA Athletic Program

Medaille College sponsors a Division III athletic program through the National Collegiate Athletic Association (NCAA) and is a member of the Allegheny Mountain Collegiate Conference (AMCC) and the Eastern Collegiate Athletic conference (ECAC). Medaille College offers fourteen intercollegiate athletic programs including: women's & men's cross country, soccer, volleyball, basketball and lacrosse, golf, baseball, softball, and women's bowling.

Alumni Association

The Alumni Association nurtures lifelong relationships with and among current and future Medaille alumni and, insuring that all are informed, involved and committed to the success of the College. Alumni Association activities are carried out through a variety of programs, activities and services involving alumni, students, friends and supporters. Visit the alumni web site at <http://alumni.medaille.edu> for more information.

Family Weekend

The College sponsors a weekend of activities each fall for parents and families of students. This provides an opportunity for family members to meet faculty, staff, and administrators and learn more about the College and its educational programs.

Campus Crime Prevention and Security Program

Medaille College's Campus Public Safety and Student Affairs staffs work together with the Campus Crime and Sexual Assault Committee to facilitate a proactive approach to crime prevention, security, and safety on campus. Students are informed about security issues during New Student Orientation. In addition, a variety of educational programs are offered to heighten awareness of public safety. Topics such as sexual assault, self-defense, bias related crime, and crime prevention/safety awareness are discussed by facilitators from both the campus and the community-at-large.

Student Conduct

The Dean of Student Affairs or other designated administrative staff ensures that College regulations are enforced. A description of student conduct policies and procedures are available on the College website.

FINANCIAL AID

Financial aid is available to Medaille students through a variety of sources. The Financial Aid Office can provide information about the following topics: financial aid programs (eligibility requirements, selection procedures, disbursement schedules), satisfactory progress, rights and responsibilities of students receiving financial aid, loan repayment, terms and conditions of student employment, costs of attending Medaille, and the liability policy at Medaille. Here are some of the sources you should investigate when planning for your College finances.

Grants

The Federal Pell Grant is a need-based federal grant program designed to provide funds to students who are enrolled for at least 3 credits per semester. These grants range up to \$5350 per year based on family income, assets, the number of family members in your household, the number in College, and the number of credits for which you enroll. Apply by submitting the FAFSA (Free Application for Federal Student Aid). Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress").

The Federal Supplemental Education Opportunity Grant (SEOG) is a federal need-based grant which is awarded to students based on exceptional financial need. Priority for SEOG awards are given to Federal PELL Grants recipients. Award amounts range from \$100- \$4000 per award year. Apply by submitting the FAFSA. Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress.")

Academic Competitiveness Grant (ACG) is a federal grant program. This grant will provide \$750 for the first year and \$1300 for the second year. Recipients are eligible for a Federal PELL Grant and who have successfully completed a rigorous high school program as defined by the United States Department of Education. Second year students must have a 3.0 grade point average at the end of the first year. Apply by submitting the FAFSA. Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress").

National Science and Mathematics Access to Retain Talent Grant (National Smart Grant) is a grant program funded by the federal government. This program is for students who are enrolled in their third or fourth year. The award is \$4000 for each of the third and fourth year. Recipients are eligible for a Federal PELL Grant and must be pursuing an eligible major as defined by the United States Department of Education. A GPA of 3.0 must be earned and maintained to receive this award. Apply by submitting the FAFSA. Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress.")

The Teacher Education Assistance for College and Higher Education (TEACH) Grant is a federally funded program. This grant provides up to \$4000 a year to students who are completing coursework needed to begin a career in teaching. A student must sign an Agreement to Serve as a full-time teacher at certain low-income schools and within certain high-need fields for at least four years. Failure to complete the commitment will result in a conversion of the grant to a loan payable with interest. Apply by submitting the FAFSA. Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress").

New York State Tuition Assistance Program (TAP) awards range up to \$5,000 and are based on New York State net taxable income. Students must be New York State residents and must have

full-time status. If eligible, students may qualify for up to eight semesters of TAP while pursuing a bachelor's degree and six semesters of TAP in an associate degree or certificate program. Apply by submitting the FAFSA and TAP application. Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress").

New York State Aid for Part-Time Study (APTS) is a grant program funded by New York State.

Awards range up to \$2,000 for students enrolled between 3 and 11 credits per semester.

Eligibility is based on New York State net taxable income and the availability of funds. Apply by submitting the FAFSA and a separate APTS application, available from the Financial Aid Office. Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress").

New York State Part-Time TAP Program is a state funded program This grant is for students who were first-time, full-time freshman in 2006-07 academic year or thereafter. Students must earn 12 credits or more in each of the two consecutive semesters, for a minimum total of 24 credits earned. Recipients must be enrolled for 6-11 credits per semester. Apply by submitting the FAFSA and TAP application. Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress").

The Medaille Grant is an institutional grant based on financial need. Apply by submitting the FAFSA.

Other Financial Assistance

Vietnam Veterans Tuition Assistance Program provides financial assistance to veterans enrolled in undergraduate degree programs. Full-time awards are \$1,000 per semester. Part-time awards are \$500 or tuition, whichever is less. For an application contact New York State Higher Education Services Corporation, 99 Washington Avenue, Albany, New York 12255.

Vocational and Educational Services for Individuals with Disabilities(VESID), benefits are available for students with certain physical or emotional disabilities. Interested students may contact their local VESID office.

The Federal Work-Study Program (FWSP) allows students with financial need the opportunity to work in jobs on campus to earn part of their educational expenses. Students may apply by submitting the FAFSA. Students must maintain Satisfactory Progress to receive this award. (See section in this catalog entitled "Satisfactory Progress.")

Veterans Benefits are available for students who qualify. In order to determine eligibility, the Department of Veterans Affairs or the Medaille College Financial Aid Office should be contacted. Medaille College is a Yellow Ribbon participant.

Federal Aid to Native Americans is a grant offered by the U.S. Bureau of Indian Affairs for College study. To be eligible, the applicant must: (1) be enrolled member of an American Indian, Eskimo, or Aleut tribe, band, or group recognized by the Bureau of Indian Affairs; (2) be enrolled in or accepted for enrollment in an approved College or university pursuing at least a two-year degree; and (3) demonstrate financial need. An application is necessary for each year of study and must be accompanied by an official needs analysis from the Financial Aid Office. Each first-time applicant is required to submit tribal enrollment certification from the bureau, agency, or tribe

which records enrollment for the tribe. The student must make satisfactory progress towards a degree and show financial need for grants to be awarded in successive years. Applications are available from the Bureau of Indian Affairs/Education, South and Eastern States Agency, MS3609-MIB, 1849 C Street NW, Washington, D.C., 20240.

New York State Aid to Native Americans is an entitlement program and there is no qualifying examination. Applicants must be (1) a resident of New York State; (2) on an official tribal roll of a New York State tribe or the child of an enrolled member of a New York State tribe; and (3) enrolled in an approved New York State postsecondary program. Recipients receive grant awards of up to \$2000 per year for up to four years of full-time study. Applications are available from the Native American Education Unit, New York State Education Department, Room 374 EBA ,Albany, New York 12234.

Federal Stafford Loans

Stafford loans are provided by banks and other lending institutions to students who are enrolled at least half-time. There are two different types of Stafford Loans: Subsidized Stafford Loans and Unsubsidized Stafford Loans.

Eligibility for a **Subsidized Stafford Loan** is based on financial need, and the federal government will pay the interest while you are enrolled at least half-time, during your grace period, and during deferment periods. Repayment begins six months after you graduate, withdraw, or drop below half-time status. The **Unsubsidized Stafford Loan** is not based on need, and you are responsible for paying the interest during all periods, starting from the date the loan is first disbursed. Interest can be deferred while in school, but it will be capitalized (added to the principal balance) at repayment, which begins six months after leaving school or dropping below half-time. For the 2009-2010 award year, the Undergraduate Subsidized Stafford Loan interest rate is fixed at 5.6%, and the Undergraduate Unsubsidized Stafford Loan interest rate is fixed at 6.8%.

Annual and Aggregate Limits

Borrower Dependency Status and Grade Level	Subsidized Stafford Loans (\$)	Total Subsidized & Unsubsidized Stafford Loans (\$)
Dependent Undergraduate Annual loan limits		
1 st Year	3,500	5,500
2 nd Year	4,500	6,500
3 rd Year and above	5,500	7,500
Aggregate loan limits	23,000	31,000

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Independent Undergraduate Annual loan limits		
1 st Year	3,500	9,500
2 nd Year	4,500	10,500
3 rd Year and above	5,500	12,500
Aggregate Loan limits	23,000	57,500

You begin the application process for a Stafford Loan by completing the Free Application for Federal Student Aid (FAFSA). After you have received your award letter from the Financial Aid Office, and have confirmed the loan amount you want to borrow, we will complete the loan certification. If you are a **first-time borrower**, you must complete and sign your Stafford Loan Electronic Master Promissory Note (e-MPN). This can be done on the New York State Higher Education Services Corporation (HESC) web site, which can be accessed through the Medaille Stafford Loan Preferred Lender List. Students must maintain Satisfactory Progress to receive Stafford Loans. (See section in this catalog entitled "Satisfactory Progress.") Please refer to [Stafford Loan Preferred Lender List](#) for more information.

Federal Parent PLUS Loan

This is a loan that parents can obtain to help pay the educational costs for their dependent undergraduate children. A biological or adoptive parent (and in some cases, a stepparent) who does not have an adverse credit history may borrow for a dependent undergraduate student who is enrolled at least half-time. The maximum amount a parent can borrow is the cost of attendance minus any other financial aid.

Generally, the first payment is due within 60 days after the final disbursement for the school year. However, for Parent PLUS Loans first disbursed after July 1, 2008, the parent-borrower has the option of delaying repayment, and can request from the lender both an in-school deferment and a six-month post enrollment deferment. During these periods, interest must be paid by the parent or it will be capitalized. The interest rate for the 2009-2010 award year is fixed at 8.5%. You begin the application process for a Parent PLUS Loan by completing the Free Application for Federal Student Aid (FAFSA). After you have received the award letter from the Financial Aid Office, go to the Medaille Parent PLUS Preferred Lender List and click on the Apply Now link. This will take you to the HESC website, where you can begin the Parent PLUS Loan Electronic Master Promissory Note (e-MPN) and credit check process. Students must maintain Satisfactory Progress to receive a PLUS Loan. (See section in this catalog entitled "Satisfactory Progress.") Please refer to [Parent PLUS Preferred Lender List](#) for more information.

Alternative Loans

Alternative Loans are private, creditworthy loans that help bridge the gap between the cost of attendance and other financial aid that is awarded. A co-signer is generally required, and the interest rate is a variable rate, typically based on Prime or LIBOR plus a certain percentage. The maximum annual amount is equal to the cost of attendance minus any other financial aid awarded.

While some lenders will allow you to defer repayment until 6 months after graduation, interest is charged while in school. Eligibility criteria, loan limits, loan fees, deferment options, and repayment differ among the various lenders. Check with your individual lender for all loan terms and conditions.

To apply for an Alternative Loan, go to the Medaille Alternative Loan Preferred Lender List. Students are encouraged to apply for federal, state, and institutional aid before applying for an Alternative Loan. Please refer to [Alternative Loan Preferred Lender List](#) for more information.

Satisfactory Progress

Students must maintain Satisfactory Progress in order to receive Financial Aid. PLEASE NOTE: THERE ARE DIFFERENT REQUIREMENTS FOR STATE AND FEDERAL FINANCIAL AID.

The following charts explain the requirements for renewed eligibility for state financial aid (TAP, APTS):

Associate Degree *

In order to receive state aid for this semester:	1st	2nd	3rd	4th	5th	6th
You must accumulate at least this many credits:	0	3	9	21	33	45
With a GPA of:	0	1.10	1.20	1.40	2.00	2.00

Baccalaureate Degree *

In order to receive state aid for this semester:	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
You must accumulate at least this many credits:	0	3	9	21	33	45	60	75	90	105

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With a GPA of:	0	1.10	1.20	1.30	2.00	2.00	2.00	2.00	2.00	2.00
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Please note: students may receive only eight semesters of TAP.

*This information updated as of February 2008.

In addition, you must meet PROGRAM PURSUIT regulations which require that during your first two semesters of TAP you must COMPLETE at least 6 credit hours per semester, at least 9 credit hours per semester for the 3rd and 4th semesters, and at least 12 credits for your 5th and all succeeding semesters.

The following chart explains the requirements for renewed eligibility for federal financial aid (Pell, FSEOG, FCWSP, Federal Stafford Loans):

In order to receive federal aid for this semester:	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
You must accumulate at least this many credits:	0	9	18	27	39	51	66	81	96	108
With a GPA of:	0	1.00	1.25	1.55	1.90	1.90	1.90	1.90	2.00	2.00

Part-time student credit requirements will be pro-rated based upon the number of credits carried. GPA requirements are the same. In addition, you must complete your program within 180 credit hours.

If you do not achieve these Satisfactory Progress Requirements, you will not be eligible for additional semesters of financial aid until you obtain the necessary requirements. If you encounter extraordinary difficulties which prohibit you from achieving the above minimum requirements, you may qualify for a waiver of these requirements. Please contact the Financial Aid Office for details.

FINANCIAL INFORMATION

Tuition for the 2009-10 academic year is \$9,755/semester.

Tuition changes annually. Please contact Admissions for updated figures.

Explanation of Education Expenses

1. Tuition: covers cost of academic, student, and administrative services.
2. Graduation: covers a portion of programs, diplomas, and other related expenses.
3. Transcript Charge: covers materials and postage required to produce and send the student's

transcript as requested by the student.

4. Application Processing: covers the cost of processing a student's application for admission to the College.

5. Acceptance Deposit: confirms the student's enrollment and reserves his/her place in the College and is non-refundable. This \$100 fee is applied toward the first tuition payment. The housing/ damage deposit of \$100 is to reserve on-campus housing and is a retainer for possible damages incurred. Refunds of this fee are at the discretion of the Director of Residence Life.

6. Certificate Fee: fee charged by New York State for award of the education teaching certificate.

7. Assessments Required by Special Courses: some courses incur additional charges. These charges are assessed only to the participating student.

8. Student Association Fee: fee charged to all undergraduate students to help support the programming activities sponsored by the Student Government Association.

Tuition Payment Policy

Tuition and fees are due and payable on or before the first scheduled day of classes each semester. Satisfactory payment arrangements must be established by the first day of class to avoid a \$150.00 late fee. Satisfactory payment arrangements include payment in full (Medaille College accepts payment by cash, check, money order, Master Card, Visa, Discover Card or American Express), completion of financial aid/student loans, enrollment in the monthly payment plan through Tuition Management Systems or documentation of employer reimbursement. A combination of payment arrangements may be utilized. Please be advised that prior semester balances cannot be carried over to the next semester and will prohibit a student from registering for the next semester, receiving his/her grades, transcripts or diploma.

Should a student need to establish a monthly payment plan he/she would need to do so through Tuition Management Systems (TMS), an outside payment arrangement service. TMS is an interest free monthly payment option, with an annual enrollment fee of \$65.00 or a \$47.00 enrollment fee for the semester based plan. A student's expenses are broken out over the academic period for which, they are/will be enrolled in. For example, if a student is anticipated to be attending for the academic year their budget would be estimated based on the Fall and Spring semesters and he/she would be eligible for a nine or ten month payment plan. If a student were planning on attending for only one semester, he/she would be eligible for a four or five month plan. The term of the payment plan would be based on the date of registration and limited to offered plan options. Students are responsible for establishing the proper budget based upon the cost of attendance and financial aid/loans if applicable. Students should contact the Medaille College Business Office for additional information or for help in determining their budget. If a student is receiving financial aid/loans, they are able to amend their payments to TMS, through the Medaille College Business Office. All scheduled payments must be made to TMS until the financial aid/loans are guaranteed. It is the student's responsibility to inform Medaille College of any awards and the College will then inform TMS, of any revisions to the budget.

A student receiving employer tuition reimbursement is required to provide the College with a letter from their employer prior to the first scheduled day of classes identifying the employee-

student and the terms of the employer's reimbursement policy. Assuming the necessary documentation has been received, Medaille College will recognize the employer's tuition payment policy and defer receipt of tuition and/or fees accordingly. Future semester deferments are only available to students who fulfill their payment obligations in accordance with the employer reimbursement plan. Failure to do so will result in a \$150.00 late fee assessment to the student's account.

Students owing a balance or whose financial aid has not been completed and are not registered with TMS will be expected to pay the balance of their tuition for the semester in full (minus any financial aid), by the first day of class. Students opting to pay their tuition in full, rather than utilizing the TMS payment plan and who fail to make their payment, by the first day of class will be assessed a \$150.00 late charge.

Please do not hesitate to contact the Medaille College Business Office at (716) 880-2267, 880-2271 or 880-2309, with any questions regarding this payment policy.

Tuition Liability Schedule

FALL 2009 LIABILITY SCHEDULE

DAY CLASSES – UNDERGRAD & MS in ED

September 8 – December 14

40% liability begins 8am September 15, 2009

60% liability begins 8am September 22, 2009

80% liability begins 8am September 29, 2009

100% liability begins 8am October 6, 2009

FULL SEMESTER EVENING CLASSES

September 9 – December 14

40% liability begins 8am September 16, 2009

60% liability begins 8am September 23, 2009

80% liability begins 8am September 30, 2009

100% liability begins 8am October 7, 2009

EVENING CLASSES – SESSION I

August 29 – October 17

100% liability begins 8am September 1, 2009

EVENING CLASSES – SESSION II

October 24 – December 19

100% liability begins 8am October 27, 2009

SPRING 2010 LIABILITY SCHEDULE

DAY CLASSES – UNDERGRAD & MS in ED

January 19 – May 3

40% liability begins 8am January 26, 2010

60% liability begins 8am February 2, 2010
80% liability begins 8am February 9, 2010
100% liability begins 8am February 16, 2010

FULL SEMESTER EVENING CLASSES

January 25 – May 10

40% liability begins 8am January 30, 2010
60% liability begins 8am February 6, 2010
80% liability begins 8am February 13, 2010
100% liability begins 8am February 20, 2010

EVENING CLASSES – SESSION III

January 16 – March 6

100% liability begins 8am January 19, 2010

EVENING CLASSES – SESSION IV

March 13 – May 8

100% liability begins 8am March 16, 2010

Course Fees: 2009-2010

The College reserves the right to change established fees and assessments, and to determine the effective date of such changes without prior notice. Please contact the Business Office for the most up-to-date information.

Reasons for Fees: Key

CGS = Chemicals, glass, and other supplies

CS = Chemicals and/or supplies

DM = Disposable materials used during course

EMR = Equipment maintenance and repair

MI = Malpractice insurance coverage

RCC = Red Cross Certificate

ST = Saddle time

T = Tickets for required performances

ART 260 Basic Photography \$30 CS

ART 360 Advanced Photography \$30 CS

ART 460 Photography: Alternative Processes \$30 CS

ART 498 Independent Study (Photography designate only) \$30 CS

BIO 101 Biology \$20 CGS/DM/EMR

BIO 120 Botany \$20 CGS/DM/EMR

BIO 160 Human Anatomy and Physiology I \$20 CGS/DM/EMR

BIO 161 Human Anatomy and Physiology II \$20 CGS/DM/EMR

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BIO 170 Comparative Anatomy and Physiology I \$20 CGS/DM/EMR
BIO 171 Comparative Anatomy and Physiology II \$20 DM
BIO 200 Microbiology \$20 CGS/DM/EMR
BIO 320 Ecology \$20 CGS/DM/EMR
BIO 421 Ichthyology \$20 CGS/DM
BIO 422 Herpetology \$20 CGS/DM
BIO 423 Ornithology \$20 CGS/DM
BIO 424 Mammalogy \$20 CGS/DM
CHE 145 Chemistry for the Health Sciences \$20 CGS/EMR
CHE 200 General Chemistry I \$20 CGS/EMR
CHE 201 General Chemistry II \$20 CGS/EMR
CHE 300 Organic Chemistry I \$20 CGS/EMR
CHE 301 Organic Chemistry II \$20 CGS/EMR
CHE 400 General Biochemistry \$20 CGS/EMR
CRJ 303 Criminal Investigation I Lab \$20 DM/EMR
MMS 200 Fundamentals of Multimedia \$30 CS/EMR
MMS 205 Digital Imaging \$30 CS/EMR
MMS 300 Advanced Interactive Multimedia \$30 CS/EMR
MMS 305 Interactive Multimedia Development Process \$30 CS/EMR
MMS 350 3D Design/ 3D Rendering \$30 CS/EMR
MMS 400 Web Design and Development \$30 CS/EMR
MMS 405 Digital Portfolio \$30 CS/EMR
PED 114 Responding to Health Emergencies \$15 DM/EMR/RCC
VET 120 Introduction to Laboratory Animal Science \$75 DM/EMR
VET 100 Introduction to Veterinary Technology \$10
VET 126 Animal Parasitology \$25 DM/EMR
VET 132 Hunt Seat Riding and Equitation I per lesson \$23 ST
VET 202 Small Animal Diseases and Nutrition \$85 DM/EMR
VET 204 Veterinary Clinical Lab Techniques \$30 DM/EMR
VET 206 Handling and Care of Exotics \$25 DM/EMR
VET 208 Veterinary Diagnostic Imaging \$25 DM/EMR
VET 222 Farm Animal Restraint, Diseases, and Nutrition \$25 DM/EMR
VET 224 Surgical Nursing and Anesthesiology \$25 DM/EMR
VET 228 Gross and Clinical Pathology \$25 DM/EMR
VET 234 Hunt Seat Riding and Equitation II per lesson \$23 ST
VET 238 Hunt Seat Riding and Equitation III per lesson \$23 ST
VET 301 Dental Radiography \$25 DM/EMR
VET 320 Advanced Laboratory Animal Science \$25 DM/EMR
VET 330 Hunt Seat Riding and Equitation IV per lesson \$23 ST
VET 336 Hunt Seat Riding and Equitation V per lesson \$23 ST

VET 434 Hunt Seat Riding and Equitation VI per lesson \$23 ST

VET 438 Hunt Seat Riding and Equitation VII per lesson \$23 ST

STUDENT SERVICES

Campus Center

The programs and services offered through the Kevin I. Sullivan Campus Center are a vital part of the educational experience at Medaille. The Campus Center program serves students, faculty, staff, alumni, and guests in developing well-rounded individuals working together to enhance the educational opportunities provided through the College. The facility serves as a focal point for College community life and a training ground for students in assuming social responsibility and leadership. The cultural, social, educational, and recreational programs are intended to make free-time activity a cooperative venture with classroom learning.

The Center houses a regulation NCAA basketball court, volleyball courts, jogging track, weight and exercise room, locker rooms, training room, food service area/multi-purpose room, College store, student lounges, student club and organization area, and a private dining room. It also houses the Office of Student Affairs, including the Dean of Students, and departments of [Career Planning and Placement](#), [the Student Involvement Center](#), [Intercollegiate Athletics](#), and the Center for Multicultural Education & Diversity.

Public Safety

The College's Public Safety Office is located in the house at 2 Agassiz Circle and its primary responsibility is to work proactively with students, faculty and College departments to identify, reduce and remove the opportunity for crime and criminal activity before it occurs. Public Safety Officers patrol campus buildings, grounds, parking lots and facilities, control traffic and parking as necessary, and are responsible for the safety and security of the College community. Student identification cards and parking permits are available at this office as well as information and literature to assist in preventing crime and victimization. Anyone encountering safety or security issues, or observing criminal activity, should report it immediately to the Campus Public Safety Office. The Campus Public Safety Office phone number is: (716) 880-2911.

Medaille College annually supplies a security report containing statistics, policies, and a description of programs that promote campus safety. A copy of this report is available to all prospective students and employees, and may be requested by contacting the Admissions Office, the Student Affairs Office, the Public Safety Office or the web site of the [U.S. Department of Education](#).

The Advisory Committee on Campus Safety will provide upon request all campus crime statistics as reported to the United States Department of Education.

New Student Orientation/Welcome Weekend

At the beginning of fall semester, freshman and transfer students take part in a group orientation at Medaille College. Acquainting students with Medaille's staff and dealing with transition issues are the major emphases of the orientation program. Orientation provides students with an

opportunity to work with College personnel and discuss academic procedures, expectations, and requirements. Orientation also provides an easy way for new students to get acquainted with each other and become familiar with the campus culture.

Students are notified by mail as to the dates for orientation. The College requires that each new student attend orientation.

Career Planning and Placement

The Career Planning Center provides services to all students and graduates. Our goal is to assist you to meet your professional goals. We hope to provide the tools and resources to help you succeed.

Contact our office today to:

Learn about career and occupational information through our extensive library

Explore your personal strengths by completing a personal assessment such as the Strong Interest Inventory or our new Typefocus program.

Prepare for the marketplace by attending one of our informative workshops on resume writing, interviewing, or conducting a job search

Polish your skills at one of our special events such as the Etiquette dinner, professional speakers or various networking opportunities.

Connect with employers for everything from internships to job opportunities through College Central, our job database, or our annual Job Fair. Meet alumni and start building your professional network for future success.

Wherever you are in your academic or professional career the Career Planning Center is prepared to help you achieve your desired outcome.

Center for Multicultural Education and Diversity

The [Center for Multicultural Education and Diversity](#) at Medaille College operates on the premise that lifelong intellectual and professional growth is one where differences are highly valued. The center advocates for an inclusive campus environment that respects the pluralistic perspective and promotes equity and appreciation for human diversity among its students, faculty, administrators and staff. The center educates, promotes, and serves to empower the campus community on issues of diversity, multiculturalism and the value of human differences.

Computing Centers

There are a number of computer access centers located throughout the Buffalo campus. In addition to the Residence Halls and the Campus Center Club Room, the largest cluster of computers available to students is in the Academic Computing Center (ACC) located on the second floor of Huber Hall. The Huber ACC consists of a 30 workstation open lab, a 25 workstation classroom and a 20 workstation classroom. The PC lab is upgraded annually and is currently running new Dell OptiPlex 760 PCs with Intel Core2 Duo processors and 4 GB of RAM. Each PC has a DVD R/W drive and a 19" LCD with easy-access USB ports.

All ACC computers run Microsoft Windows XP Pro and are networked via fiber optic backbone accessing the Internet through a T1 line. Each PC room has both laser and color inkjet printers.

The ACC runs the Microsoft Office 2007 Enterprise suite along with a variety of course specific software applications and standard utility applications. Select machines offer Adobe Acrobat. Scanners are available on select machines.

For enhanced presentations and visual demonstrations, both classrooms are equipped with an interactive, touch sensitive SMARTboard.

Food Service

The Cafeteria in the Kevin I. Sullivan Campus Center serves breakfast, lunch and dinner Monday through Friday, as well as brunch and dinner on Saturday and Sunday.

The South Residence Hall Snack Bar is open from 6 p.m. - 11 p.m. Monday through Sunday. It features quick grab n' go items, sandwiches, salads, and munchies.

Wellness Center - Health and Counseling Services

The [Counseling Center](#) is housed in the Wellness Center at 117 Humboldt Parkway and is staffed by a nationally certified, licensed mental health counselor, and provides free and confidential services to all enrolled Medaille students. Counseling services are designed to help students understand themselves better, resolve problems, and come to terms with difficult issues. Individual counseling, group counseling, and wellness workshops are provided. Assistance with referrals to outside professionals is also provided. Self-help materials on a wide variety of topics are disseminated by the Counseling Office. Day and Evening hours are maintained to meet the needs of all students.

The Health Office is located in the Wellness Center at 117 Humboldt Parkway and is staffed by a full-time Registered Nurse. The office is open daily with evening hours by appointment and there is no charge for services. In addition, the services of a physician are available for students one afternoon per week by appointment. The office coordinates health records, immunization compliance, provides for health and wellness needs, first-aid, health insurance, and educational programming.

Housing and Residence Life

Medaille College requires all students that are not within commuting distance and are under the age of 21 years reside on campus. Our [residence life program](#) emphasizes a high-quality environment and is coordinated by professional staff located in the South and North Residence Hall. Prospective resident students have two residence halls to choose from that foster an environment of living and learning, safety, and respect for fellow resident students. Please note priority is given to students from outside the immediate Buffalo area.

Non-traditional students/transfer students who may be interested in housing off-campus should refer to the Housing and Residence Life Office for information about apartments in the immediate area. While Medaille provides an off-campus referral service, the College accepts no further responsibility in transactions between students and landlords.)

Library

The Medaille College Libraries are located on the Buffalo, Rochester and Amherst Campuses. The

largest library is located in Huber Hall on the Buffalo Campus. The Medaille College Libraries collections contain more than 54,000 print volumes, over 30,000 electronic books, and subscriptions to more than 200 print and electronic journals. Full-text articles are available through subscription databases which range from general to subject-specific. The libraries also provide interlibrary loan service, course reserves, and computers for student use. In-person reference services and Meebo online chat service are available during hours that the libraries are open. After hours, you can chat live with a reference librarian by clicking on the "Ask Us 24/7" link on the libraries' website. Please visit the Medaille College Libraries website for more information: <http://eres.medaille.edu/library/index.html>

Multimedia Lab

The Multimedia Lab, located on the second floor of Huber Hall, has a mix of 17 Apple iMac and Mac Pro computers. Some machines are equipped with a Wacom graphic tablets and there are two digital video editing stations equipped with an analog-to-digital video converter. This Mac Lab also offers a monochrome laser printer, a color photo printer, two flatbed scanners, a Nikon film/slide scanner, digital still cameras, a digital video camcorder, LCD projector and software needed to create video presentations, DVDs, web sites, conduct graphic design, 3D rendering, image and sound manipulation and multimedia presentations and projects.

Academic Advisement Center

Advisement counselors are available during both day and evening hours on weekdays to provide a wide variety of academic advisement services. If you require assistance with advisement or have any questions, please stop at the [Academic Advisement Center](#). If services are unable to be rendered at the Center, appropriate referrals will be made. The Advisement Center is located in the lower level of the Main Building.

Academic Support Center

The [Academic Support Center](#) offers a full range of learning services. Both peer and professional tutoring in a variety of disciplines are available both on-site and online. Computers with Internet access, instructional software, assistive technology, study skills workshops, reference materials and space for study sessions are all provided in the Center.

Disability Services

[Disability Services](#) assists students with disabilities in all aspects of their College life. Students requesting services and/or accommodations must contact the Academic Support Center directly.

TRIO Office

Medaille College's Student Support Services (SSS) Program is a federally-funded [TRIO Program](#) that provides services to help eligible students graduate from College. SSS staff, services and activities all foster an institutional climate supportive of the success of students in the Program.

Substance Abuse Education

Medaille College provides educational programming related to substance abuse. This includes participation in the National Collegiate Alcohol Awareness Week. Workshops and symposiums addressing alcohol and drug use and abuse are provided throughout the year. Personal counseling is available through the Counseling Center. Students may also volunteer to meet with an addictions specialist if they are concerned about their own alcohol/drug abuse. This can be arranged through the Counseling Center.

Learning Communities

Learning communities co-enroll small groups of students in two or more courses with mutually reinforcing themes and assignments. They are designed to give students “opportunities for deeper understanding and integration of the material they are learning, and more interaction with one another and their teachers as fellow participants in the learning enterprise” (Gabelnick et al., 1990). National research studies, as well as Medaille’s own experience with learning communities, show that the active, participatory team environment that learning communities promote make learning easier and more rewarding.

All new freshmen at the Buffalo campus participate in first-year learning communities. While learning communities are used in other contexts at Medaille, they are embedded in the first-year undergraduate experience because they help students develop the knowledge, skills, and attitudes that are foundational for success in College. Some of the benefits of learning communities include:

- **Coordination:** While each course is different, professors coordinate activities and assignments. Sometimes, topics will run parallel in several courses. At other times, the skills learned in one course will come in handy in another. A wealth of national research literature demonstrates that the curricular integration offered through learning communities helps students develop a deeper understanding of coursework and engage more actively in their education.
- **Connection:** The learning community design allows students to connect with professors, fellow students, and essential College support services more easily and quickly. Freshmen in learning communities report that they are able to begin to form strong friendships and support networks right from their first day of College.
- **Cooperation:** Learning communities foster active, collaborative learning. Students actually learn better when they talk with friends about what they are doing in their courses and when they have ready access to faculty and campus resources. Cooperation and teamwork make learning easier, and they are hallmarks of the learning community experience.

In addition to promoting the benefits that are being realized by campuses across the nation, first-year learning communities at Medaille include special features that not only enrich classroom learning but also extend student learning beyond the classroom. Themes are carefully connected to larger issues in the local, regional, and global communities, and *Community 101* projects featured in the first-year learning communities move students outside the classroom to engage

in real-world problem solving. Additionally, students have several opportunities to participate in co-curricular activities that are explicitly linked to the themes of the courses and the community-based projects on which they are working.

For more information about learning communities at Medaille, please contact the Office of Academic Affairs (880-2241).

Community 101: The City as Classroom: Building a Civic and Sustainable Future

Every new freshman at the Buffalo campus of Medaille College participates in a *Community 101* project that introduces them to Medaille's aspiration for student learning: outstanding preparation "for career success and a lifelong commitment to a civic and sustainable future in Buffalo, the region, and the world." Through their first-year learning communities, students study themes that connect to issues in the local community and move them outside the classroom to engage in real-world problem solving. The city of Buffalo thus becomes an extension of the classroom, and *Community 101* projects enact the College's aspiration by:

- connecting students to the story and institutions of Buffalo;
- providing them with an opportunity to integrate and apply their classroom learning to real-world concerns;
- giving them the chance to experience first-hand the rewards of contributing to the well-being of a community; and,
- having them digitally archive stories of community improvement and advancement so that they can teach future generations.

Through *Community 101*, students work hands-on with organizations like the Olmsted Conservancy, the Northwest Buffalo Community Center, the Arts in Education Institute, the Erie County Library, the Albright-Knox Art Gallery, and the Buffalo Historical Museum. They also create and manage their own community improvement projects, such as the campus-wide recycling program. *Community 101* provides an experiential basis to students' learning in the freshman year that both enhances their ability to achieve essential 21st century learning outcomes and empowers them to contribute to the vital, life-long work of building a civic and sustainable future.

For more information about *Community 101* projects, please contact the Office of Academic Affairs (880-2241).

GENERAL ACADEMIC INFORMATION

Day Classes

Operating on a fall and spring semester, Buffalo Campus day classes normally run Monday through Friday 8:00 a.m. and 6:00 p.m. However, on occasion day students may be required to take a day program course offered in the evening after 6:00 p.m. Typically, day classes are scheduled either on a Monday, Wednesday, and Friday or a Tuesday and Thursday basis.

Most students take five courses and 15-16 credits per semester. Those who wish to be full-time students must register for a minimum of 12 credits per semester. Students are limited to 18 credits per semester, unless granted a waiver by the appropriate academic dean.

Accelerated Learning Program (ALP) in Amherst and Rochester

Please refer to the [School of Adult and Graduate Education \(SAGE\) catalog](#) for details about Medaille's Accelerated Learning Program for working adults at the undergraduate and graduate levels.

Unit of Academic Credit

Generally, one credit represents the equivalent of one hour of lecture or recitation or at least two hours of laboratory work each week and at least 30 hours of supplementary assignments for one semester term or its equivalent.

Student Classification

A full-time undergraduate student is one who carries a minimum of 12 credit hours per semester.

A part-time student is one carrying fewer than 12 credit hours per semester.

A matriculated student is one following a prescribed program of study. A non-degree or non-matriculated student is one taking classes but not applying for a degree or certificate. A student must matriculate after completing 15 credit hours.

Class Load

The normal class load of a full-time undergraduate student each semester is 12-18 hours. A student must meet the criteria listed below to carry more than 18 credit hours during one semester. A student is not allowed to carry more than 21 credits in any one semester. All students will be charged additional tuition for those semester hours over 18 during one semester.

The overload policy is as follows:

Freshmen: no overload permitted

Sophomores: no overload permitted

Juniors and Seniors: must have GPA of 3.0 or higher

Before a student is permitted to register online for an overload, the student's academic advisor must first certify in writing to the Registrar's Office and the appropriate academic dean that he/she meets the following overload: (1) junior or senior standing and (2) GPA of 3.0 or higher.

Class Standing

Class standing is determined by the number of semester hours a student has completed in his/her program of study. For sophomore standing, a student must have a minimum of 30 semester hours of accumulated credits; for junior standing, a minimum of 60 hours; for senior standing, a minimum of 90 hours. The student should consult the Registrar concerning any questions pertaining to class standing.

Pre-Graduation Review

A pre-graduation review listing outstanding requirements will be mailed to all students who file a

graduation application. Graduation applications are available via the Registrar's Office or online at the Registrar's Office site under services.

General Requirements for College Degrees

Graduation from the College with the award of the appropriate degree will be granted only upon fulfillment of the following general requirements:

- The student must complete all prescribed courses in a specific program and sufficient elective credits to make up the minimum total required credit hours with a cumulative grade point average of at least 2.0. A minimum 2.0 grade point average is also required of students in their major (core and elective courses). Any student pursuing a Bachelor of Science in Education degree must attain a minimum 2.5 cumulative grade point average for graduation.
- The student must earn his/her final 30 credits at Medaille if enrolled in a bachelor's degree program and his/her final 15 credits at Medaille if enrolled in an associate's degree program.
- All College property on loan to the student must be returned in satisfactory condition to the College and all financial obligations to the College must be met prior to degree conferral and transcript release.
- Any person who wishes to participate in the annual commencement, held during the month of May each year, must complete all academic requirements for graduation in order to participate, except for (1) those students in the process of completing requirements in the semester during which commencement takes place and (2) those students lacking one to six credit hours who, prior to the ceremony, register to take those outstanding credits during the Summer Session of their graduation year.

Dual Major

The following are guidelines for dual major status:

- All requirements for both majors must be fulfilled to qualify for dual major status.
- A dual major generally occurs when the student pursues a second program leading to one degree.
- A Liberal Studies degree may not be part of a dual major.

Dual Degree

The following are guidelines for dual degree status:

- Dual degree status is distinguished by the pursuance of two separate and unrelated fields of study in which two degrees are awarded during the same year upon successful completion of each program.
- A student seeking a second baccalaureate degree must complete an additional minimum of thirty (30) Medaille credit hours of study beyond the work taken for the initial baccalaureate degree.

- A student seeking a second associate degree must complete an additional minimum of fifteen (15) Medaille credit hours of study beyond the work taken for the initial associate degree.
- In all cases, all academic course requirements for both degree programs must be satisfied to qualify for dual degree award.

Course Substitution

Deviation from a prescribed curriculum will be permitted only under extraordinary circumstances. A course substitution must be approved by the student's academic advisor, department chairperson, the Registrar, and the appropriate academic dean. No student should begin attendance in a requested substitution unless a copy of the approved Course Substitution Form has been received by the student. No course substitution will be granted retroactively. Students graduating in May must have course substitutions approved by December 1 of the preceding year.

Policy Waiver

Deviation from a prescribed policy will be permitted only under extraordinary circumstances. An academic policy waiver must be approved by the student's academic advisor (where appropriate), department chairperson, the Registrar, and the appropriate academic dean. If the waiver is approved, the student will receive a copy of the completed Policy Waiver Form. No policy waiver will be granted retroactively.

Academic Alternatives

Medaille College recognizes that adult students may possess knowledge and experiences distinguishing them from the traditional College student. Therefore, Medaille College offers adult students the opportunity to obtain credit for this knowledge and those experiences, through Academic Alternatives.

The Academic Alternative process deals solely with College-level knowledge obtained outside the accredited College classroom. This includes, for example, formal learning gained through successful completion of coursework sponsored by business, military, and government institutions; it also may include, for example, knowledge obtained through career experiences, business expertise, and volunteer work.

The most essential thing to keep in mind about Academic Alternatives is that credit is not awarded for experience (no matter how sophisticated) but for the student's ability to demonstrate that these experiences, knowledge, and/or skills are comparable to what is required within Medaille College's degree programs and courses.

Any new students interested in academic alternatives should first meet with Medaille College Admissions to begin the process of applying to the College.

Credits earned through academic alternatives are posted on the transcript as a separate designation during the semester in which the credit is awarded. There is an indication of which alternative was pursued. For new and currently enrolled students, the total number of credits earned through any combination of academic alternatives cannot exceed 60 for the

baccalaureate degree or 30 for the associate degree. All students working toward the bachelor's degree must earn the last 30 credits in coursework at Medaille; for the associate degree, the last 15 credits.

Academic Alternatives for Enrolled Medaille Students

Challenge Exams: Students who think they have the knowledge base for a particular course may be able to take a challenge exam instead of enrolling in the course. Contact the Academic Alternatives Advisor to see which courses are available for challenge exams. This is the only Academic Alternative given residential credit; Satisfactory/Unsatisfactory grades are issued for challenge exams. Fee: \$100 for each exam; non-refundable, non-transferable. **Exams must be taken within one year of the date of the official letter from the Office of Academic Affairs.** ***Graduates please check deadline dates for taking exams. The deadline date may occur before the one year deadline date.**

Deadline Dates	File by	Take by
May Graduates	November 1	May 1
January Graduates	May 1	December 15
August Graduates	February 1	August 1
ALP Students, check with Student Services for deadlines based on cohort sequences and degree conferral dates		

Prior Learning Assessment: Students have the opportunity to work with the Academic Alternatives Advisor to prepare a portfolio which demonstrates College-level knowledge/skills that have been acquired through career and life experiences. The portfolio is directed at addressing objectives for a particular course(s) at Medaille College. Students must discuss policies, procedures, and possible courses for PLA with the Academic Alternatives Advisor. Satisfactory/Unsatisfactory grades are issued for prior learning assessment. Fee: \$100 non-refundable, non-transferable application fee for each course; \$75 for each credit earned.

Deadline Dates	File by	Submit by
May Graduates	October 1	November 1
December Graduates	March 15	April 15
ALP Students, check with Student Services for deadlines based on cohort sequences and degree conferral dates		

Other Academic Alternatives Available

DSST: Medaille offers DSST exams administered on campus. Students do not need to be enrolled at Medaille College. The DSST offers approximately 37 examinations in subject areas that include physical science, applied technology, math, business, humanities, and social sciences; all are in a

multiple choice format (the speech includes an audio recording). Additional information and fact sheets are available at: www.getCollegecredit.com

Fee: \$140 for each exam, non-refundable. In the event that an exam has to be rescheduled, there will be a \$10 fee for each rescheduling.

The following academic alternatives, are options taken at other institutions and are eligible for possible transfer credit at Medaille:

CLEP (College Level Examination Program): Offered through CLEP are a series of general and specific exams, administered on computer, that measure achievement primarily in the first two years of College. There are five general areas for exams: Composition and Literature, Science & Mathematics, Foreign Language, History & Social Sciences, and Business. Most tests are multiple-choice and have a 90 minute time limit. Additional information and locations for exams is available at: www.Collegeboard.com/clep. Fee: \$72 for each exam.

Excelsior College Examinations: There are approximately 51 Excelsior College Exams in the arts and sciences, business, nursing, and education. Exams are computer delivered and taken at Pearson VUE Testing Centers. Additional information, exam guides, deadlines, and registration procedures are available at: www.excelsior.edu

ACE (American Council on Education) Military Program: There are formal courses offered through the armed services that may be eligible for College transfer credit. A DD214 form should be submitted during the Admissions process; evaluation is conducted by the Medaille Registrar's Office. Additional information is available at: www.acenet.edu/ (select "Military Programs").

ACE CCRS (American Council on Education College Credit Recommendation Service): Provides access to academic credit for formal courses taken through corporations, volunteer associations, and other non-collegiate organizations. Additional information is available through their Lifelong Learning Resource Center (866-205-6267) or contacting: CREDIT@ace.nche.edu

AP (Advanced Placement) Exams: High school students may take College-level courses through their high schools. A formal examination at the completion of the course is required with scoring processed through the CollegeBoard. Additional information is available at: www.Collegeboard.com/student/testing/ap/about.html

Independent/Directed Study

Independent Study is the student's self-directed pursuit of academic competence in an autonomous manner which requires a rigorous search into a specified body of knowledge in which the course content, learning activities, and evaluative criteria are developed by the student in collaboration with the faculty mentor. It is a demonstration which provides evidence of capability in self-directed learning.

Independent Study is limited to four courses per baccalaureate degree, and normally no more than one may be undertaken at a time. Also, freshmen and sophomores normally will not be allowed to take an Independent Study. Generally, applications will be approved for students who have GPAs above 2.7 and who have demonstrated the ability to pursue a topic in an academically rigorous manner. The faculty and College do not guarantee that this is available during any particular semester. Students may not take an Independent Study to replace a course in which a failing grade was earned.

Directed Study is individualized instruction identical in regard to the title, course objectives, course content, and evaluative criteria of the course. Directed Study is generally limited to two courses per baccalaureate degree and is usually implemented to fulfill a graduation requirement. Application approval will usually be granted to seniors for courses required for graduation provided that the course(s) is not otherwise available to the student. GPAs of 2.0 are required of students who wish to undertake Directed Study. The faculty and College do not guarantee that this is available during any particular semester.

Students may not take a Directed Study to replace a course in which a failing grade was earned. Before completing an application, a student should discuss the matter with the appropriate instructor. The instructor should be aware of what the student intends to accomplish and be willing to direct the study. The student and the instructor must agree on the time that will be devoted to supervision and the manner in which the instructor will evaluate the study.

Reserve Officers' Training Corps (ROTC)

Medaille College has a special cross-enrollment, tuition-free arrangement with Canisius College for students desiring leadership education through the Reserve Officers' Training Corps (ROTC) Program. For more details, as well as scholarship and other financial assistance information on this program, contact the Canisius College Professor of Military Science (PMS) at 888-2769 or 888-3239.

Service Member's Opportunity College

Medaille College has been identified as a Service Member's Opportunity College (SOC) providing educational assistance to active duty service members. An SOC institution offers the following benefits for service members:

- Use of admissions procedures which ensure access to higher education for academically qualified military personnel;
- Evaluation of learning gained through military experiences and academic credit awarded where applicable to the service member's program of study;
- Evaluation of non-traditional learning and awarding of academic credit for such learning where applicable to the service member's program of study;
- Evaluation of request for inter-institutional transfer of credits and acceptance of such credits whenever they are appropriate to the service member's program and are consistent with the College's curriculum;

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- Flexibility to service members in satisfying residence requirements by making adjustments for military students who transfer when there are other assurances of program balance;
- Designation of personnel with appropriate academic qualifications and experience to administer and supervise SOC-related activities and to develop policies and procedures appropriate to the scope of their voluntary education programs; and
- Educational services for veterans.

Field Experience

Experience-based, hands-on learning is essential to students' overall educational at Medaille, both inside and outside the classroom. The College's curriculum stresses the importance of students gaining work experience and engaging in applied, out-of-class learning related to their major program of study. Consequently, most academic majors offer one or several required field experiences. Through field experiences students earn academic credit, apply classroom theory to life experience, enhance their career-related skills, and network in the profession and community in ways that enhance opportunities for future employment. Field experiences may occur in Buffalo, WNY, or anywhere in the nation or the world. For more information and a complete description of each program's field experience requirements, students should contact the appropriate department chairperson.

Field Experience Minimum GPA Requirement

A College minimum of a 2.0 cumulative grade point average is required for any student seeking entry into field experiences. Individual programs may establish their own minimum cumulative grade point requirements with the College minimum as a base.

The Grading System and What It Means: the following system of grading has been adopted* by the College:

Description	Letter Grade	GPA
Excellent	A	4
	A-	3.7
High Achievement	B+	3.3
	B	3.0
	B-	2.7
Average Achievement	C+	2.3
	C	2.0
Below Average (passing)	C-	1.7

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	D+	1.3
	D	1.0
	D-	0.7
Failure	F	0
Official withdrawal	W	
Incomplete	I	
Pass/Fail	P/F	
Satisfactory/Unsatisfactory	S/U	
Audit	AU	

*approved by the Undergraduate Academic Standards Committee on January 8, 2009.

(GPA) Grade Point Average

Grades received earn quality points as indicated on the preceding table. A grade point average is computed by dividing the number of quality points earned by the total number of credit hours for which you were registered. Grade point averages may be computed for one semester's courses or on a cumulative basis. To compute a semester grade point average, multiply the number of quality points earned for the grade (see preceding table) by the number of credits awarded for the course; add the quality points and divide by the number of quality credits for the semester.

Cumulative Average

The cumulative average is computed for all of the courses you have taken at Medaille. It changes whenever a new semester's grades are calculated and is a reflection of how a student is doing in all of his/her work. In cases of repeated courses, only the last grade earned is utilized in the cumulative GPA calculations.

(W) Course Withdrawal

In order to withdraw from a course after the drop/add period, a student must obtain a Course Withdrawal Form from the Office of the Registrar. The signature of the advisor should be obtained. If the student's advisor is not available, however, the student must write on the Withdrawal Form that he/she takes full responsibility for withdrawing from the course, sign and date it. The completed form is returned to the Registrar's Office.

A student may withdraw from a course during the first two-thirds of a semester. See the [Academic Calendar](#) for specific dates. A grade of "W" appears on the transcript for an official withdrawal. No withdrawal is permitted after the deadline. Depending upon the withdrawal date and the number of credits a student is carrying during a particular semester, course withdrawal

may affect tuition (See Tuition Liability Policy). There is the possibility of reduced financial aid if withdrawing from a course means the student would carry fewer than 12 credits.

Please note: Discontinuance of attendance in one or all classes does not constitute an official withdrawal. A student who does not follow the proper procedure and/or stops attending class (an unofficial withdrawal) will receive from the instructor the grade earned according to the student's performance.

(I) Incomplete

An Incomplete is given only for a good and sufficient reason as determined by the instructor. It is completed in a manner determined by mutual agreement of student and instructor as indicated on the Incomplete Form, which must be signed by both student and instructor.

Incomplete Grade Forms must be obtained by the instructor in the Office of the Registrar. It is the responsibility of the student to complete the requirements of the Incomplete by the date stated on the form which is not to exceed the termination of the semester immediately following the initiation of the Incomplete. The student assumes the risk of not being able to complete the study if a faculty member is no longer at the College. All information must be complete when the form is submitted to the Office of the Registrar. If any part of the Incomplete Form is left unanswered, the form will be sent back to the instructor and no grade will be issued until the form is correctly filed.

An Incomplete must be removed from the student's record by the end of the semester following the semester in which the Incomplete was received. Exceptions will be made to this rule only prior to the stated deadline and under compelling circumstances with the approval of the Vice President for Academic Affairs or appropriate College Dean. Any student receiving an Incomplete ("I") grade will not be considered for Dean's List or Merit List status during the semester in which the Incomplete was issued.

(P/F) Pass/Fail

Medaille offers the P/F grade primarily as an encouragement for students to take more challenging courses than they might without endangering their grade point average. Students earn credits, but not quality points, for courses in which they earn a "P" grade. A grade of "F" is punitive and is factored into the quality point average.

Students may take a limited number of courses on a P/F basis. Although there is no limit to the number of courses to be taken P/F during a single semester, no more than ten percent (10%) of the total degree or certificate program may be taken P/F. Students may not take General Education Core courses P/F. Students must consult their department office for a list of acceptable courses within their program.

P/F grades are student initiated. Forms are available in the Office of the Registrar. Arrangements must be made within the deadline prescribed. Students requesting to take a course on a P/F basis must sign and return the form to the Registrar. Arrangements to take a course on such a basis are final.

Since colleges differ on acceptance of P/F grades, students interested in advanced study at other

institutions should investigate the acceptance of such grades by specific graduate schools.

(S/U) Satisfactory/Unsatisfactory.

Due to their nature, certain courses are offered only with grades of S/U. These grades are instructor or department initiated; courses taught on this basis are not included in the limit for P/F.

(AU) Audit

A student desiring to audit a course must receive the approval of the appropriate instructor and complete the normal registration process. Only officially audited classes will appear on the transcript. Students who audit are expected to attend classes but their work is not subject to review by the instructor and they will receive no grade at the completion of the class.

Repeating a Course

In cases of repeated courses only the last grade earned, whether higher or lower, is used in calculating the grade point average. All grades earned for courses taken at Medaille, however, remain a part of the student's permanent record. Students must complete and submit the appropriate form at the time of registration.

Students should take note that if the repetition is not required by the College, New York State will not allow the credit hours for the course to be counted in determining the minimum course load required for financial aid purposes.

Students may not take a Directed Study, Independent Study, Challenge Exam, or have a course transferred from another College to replace a course in which a failing grade was earned.

Academic Honors

At the end of each semester, the College announces the names of the full-time students who are recorded on the Dean's List. Students who take a minimum of 12 credit hours and who earn a grade point average of 3.5 or higher for all credit hours carried during that semester are placed on the Dean's List. Pass ("P") and Satisfactory ("S") grades are not included in the minimum 12 credit hours required for Dean's List qualification. Any student receiving an Incomplete ("I") grade will not be considered for Dean's List status during the semester in which the Incomplete was issued. A student who attains Dean's List status for four semesters is eligible for the Medaille Medal, which is awarded at the College's annual Honors Convocation.

At the end of each semester, the College announces the names of the part-time students who are recorded on the Merit List. Students who take a minimum of 6 but no more than 11 credit hours, and who earn a grade point average of 3.5 or higher for all credit hours carried during that semester, are placed on the Merit List. Pass ("P") and Satisfactory ("S") grades are not included in the minimum 6 credit hours required for Merit List qualification. Any student receiving an Incomplete ("I") grade will not be considered for Merit List status during the semester in which the Incomplete was issued.

Full- and part-time status for academic honors is determined at the conclusion of the drop/add deadline.

Pre-graduation Review

A pre-graduation review listing outstanding requirements will be mailed to all students who file a graduation application. Graduation applications are available via the Registrar's Office or online at the Registrar's Office site under services.

Graduation Honors

The cumulative grade point average determines graduation honors. A student must have 48 credits in residence for baccalaureate degree graduation honors and 24 credits in residence for associate degree graduation honors. If a student has a cumulative GPA for all course work of 3.5, the student is eligible for Cum Laude; an average of 3.7, Magna Cum Laude; an average of 3.9, Summa Cum Laude. Students who qualify for honors at the end of the fall semester preceding commencement will have these honors announced during the graduation ceremony.

Academic Warnings

Students who are in danger of failing a course receive an academic warning. Students who receive a warning should immediately talk with the instructor to find out how the grade can be improved.

ACADEMIC ADVISING

Each student matriculating at Medaille is assigned an academic advisor who will assist the student in developing realistic educational, career, and life goals. Working together, the student and advisor will evaluate and modify these goals as needed throughout the student's course of study. Advisors are available throughout the academic year so that students are able to work closely with their advisor to address any academic need.

Advisor Roles and Responsibilities:

- To assist students in developing an academic plan that satisfies graduation requirements.
- To monitor student progress and help students make appropriate program adaptations.
- To discuss academic, career, and life goals with advisees.
- To become personally acquainted with advisees.
- To refer advisees, when necessary, to proper services.
- To have access to information related to College programs, policies, and services.
- To inform advisees of changes in their course of study.
- To maintain regular and adequate office hours and keep appointments with advisees.
- To collect and distribute student data as needed.

Student Roles and Responsibilities:

- To meet with advisor regularly during the academic year to work through academic, career, and life goals.
- To make use of appropriate campus and community services to meet goals.
- To read the College Catalog and Course Schedule in order to select courses.

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- To make and keep appointments with advisor concerning educational needs, goals and course selection.
- To know the requirements for chosen program of study.
- To make certain that requirements are met for that program.
- To become an active participant in the advisor/advisee relationship and to become increasingly self directing.
- To maintain personal records of academic progress.

ACADEMIC CALENDAR: 2009-2010

Available at www.medaille.edu/academics/calendar/

YOUR ACADEMIC RECORDS

Student Records

All student records are maintained and made available in accordance with the Federal Family Educational Rights and Privacy Act of 1974. Thus, with some exceptions, all student records are made available for review upon request by that student and the right to challenge the content is provided. No records are released to third persons except as provided in the Family Educational Rights and Privacy Act. Detailed information on the maintenance and availability of student records is available in the Office of the Registrar.

Normally the College will disclose whether or not an individual is now or has been enrolled as a student at the College. This information may include dates of attendance and a student's last known home address, if requested.

Grade Reports

Grades are available at the end of each semester through MedailleOne. Grades are not given out over the telephone or in person at the Office of the Registrar. A "NGR" indicates a grade has not yet been recorded.

Transcript of Record

A student request for a transcript of his/her record must be filed in writing in the Office of the Registrar at least 48 hours in advance of the date it is required. Under no circumstances will an official transcript be presented to a student; it will be issued directly to the institution or individual indicated by the student. Transcripts clearly labeled "Unofficial (for student's use only)" may be given directly to the student for personal use. No fee is assessed for the first transcript requested; however, a \$5.00 charge is applied to each additional copy. Transcripts will not be released until all financial obligations to the College have been satisfied.

UNDERGRADUATE ACADEMIC STANDARDS

Policies

The College's Undergraduate Academic Standards Committee meets at the conclusion of each

semester to review all undergraduate students' academic progress and applies the policies described below to make decisions about their academic status.

Good Standing: Freshmen with a cumulative grade point average of 1.70 or higher and sophomores, juniors, and seniors with a cumulative GPA of 2.0 or higher are defined as being in good academic standing and therefore immune from academic probation or suspension for academic reasons except under extraordinary circumstances.

Academic Alert: All students whose semester grade point average falls below a 2.0 will receive an academic alert letter, even when their cumulative grade point average is a 2.0 or higher.

Academic Probation: Any student whose cumulative GPA falls below the applicable good academic standing minimums cited above is automatically subject to academic probation or suspension the following semester. Students placed on probation may continue their studies the subsequent semester contingent upon their signing a required *Undergraduate Probationary Contract* which limits them to 12 credits. A probationary semester is designed to give students the opportunity to take corrective action and progressively demonstrate their ability to meet the College's academic standards. Academic probation is not subject to appeal.

Failure to sign an *Undergraduate Probationary Contract* or comply with the conditions of it on a regular basis are grounds for administrative withdrawal from the College at any time during the contract period.

Failure to fulfill all the specific conditions of an *Undergraduate Probationary Contract* may affect the Undergraduate Academic Standards Committee's decision regarding continued probation or suspension for students who do not return to good standing at the conclusion of the probationary semester.

The Undergraduate Academic Standards Committee determines probation at its discretion on a case-by-case basis. Committee members may skip probation and decide to suspend a student.

Normally, the Undergraduate Academic Standards Committee will not grant any student more than two semesters of academic probation during her/his academic career at the College before suspending her/him. The Committee will award a third probationary semester only if extraordinary, documented mitigating circumstances apply.

Suspension: The Undergraduate Academic Standards Committee has the discretion to suspend students who fail to maintain good standing rather than offer academic probation. Suspension is automatic for students unable to return to good standing after two consecutive semesters on academic probation.

Appeal Process: Reinstatement from suspension is not automatic, but based on a careful consideration of available evidence regarding academic performance. Students may seek immediate reinstatement or wait for a full semester or longer to pursue it.

Students denied immediate reinstatement must wait one full semester before appealing again. The Dean of the Undergraduate College's decision regarding reinstatement is final.\

Immediate Reinstatement: students seeking reinstatement must submit an appeal letter to the appropriate academic dean in the Office of Academic Affairs. The letter should (a) explain mitigating circumstances that may have affected one's academic performance, (b) make a compelling case for reinstatement and (c) outline a plan for improving one's academic performance.

Students suspended in January who seek immediate reinstatement for the following spring semester must submit their appeal letter to the dean within five working days after receipt of the College's suspension letter. Students suspended in June who seek immediate reinstatement for the following fall semester must submit their appeal letter no later than August 15 of the calendar year. Students seeking reinstatement after a period of more than one semester on suspension should contact the dean at least two weeks before the start of the semester in which they wish to return.

Delayed Reinstatement: any student experiencing a period of absence because of suspension is encouraged to take steps to prepare for a successful return to Medaille if reinstated. Steps might include passing new courses at another accredited College or university (see Undergraduate Catalog for College policies on transfer credits and repeating a course), enrolling in academic skills workshops, or obtaining tutorial assistance. In addition, evidence of intellectual and personal growth through work, community service, counseling, or other means would strengthen a student's reinstatement appeal.

Any student reinstated from suspension must sign an *Undergraduate Probationary Contract*. Failure to meet the terms of the *Undergraduate Probationary Contract* at the end of the semester will result in automatic suspension. Failure to comply with the conditions of the contract during the semester may result in the contract being revoked at any time and the student administratively withdrawn from the College.

Reinstated students making substantial academic progress while under an *Undergraduate Probationary Contract* may have their reinstatement automatically continued for a second consecutive semester in order to give them reasonable time to return to good academic standing.

Academic Fresh Start Policy

The policy offers a second chance for students who previously experienced serious academic difficulty to earn a baccalaureate degree through a fresh start.

Eligibility

After a minimum absence of five consecutive years, students suspended or dismissed for

academic reasons or who voluntarily withdrew because of unsatisfactory academic performance may seek readmission to the College through this policy.

The request to be readmitted through the Fresh Start policy should be made to the Registrar's Office. Requests will be referred to the Office of Academic Affairs for a decision.

Individuals seeking readmission under this policy must present, in letter form, a thoughtful educational plan that includes educational and career goals, strategies for achieving them, and evidence of personal growth and change since their previous enrollment. The plan should also include evidence of academic preparedness to succeed (e.g., learning through work experience or community service, transcript of College-level courses completed at other accredited postsecondary institutions, private tutoring).

Policy Conditions

A student readmitted under the Fresh Start policy is subject to the following conditions, without exception:

The student begins her/his new re-entry coursework with a GPA of 0.00.

Previous grades will not be calculated into the student's cumulative reentry GPA except for purposes of calculating student eligibility for College honors.

All prior coursework and grades remain a permanent part of the student's official Medaille College transcript.

The beginning date of the Fresh Start will be entered on the student's official transcript.

The student must complete all the current, published College-wide and program-specific matriculation requirements in effect at the time of her/his re-admission.

Previous credits earned with a C- or higher grade will be counted toward the fulfillment of current degree requirements, if applicable.

Academic Fresh Start may be granted only once.

Students re-admitted under Fresh Start are subject to all other existing academic policies and practices, including those governing academic alert, probation, suspension, and dismissal. However, instances of probation, suspension, or dismissal prior to Fresh Start reentry will not be counted in future decisions regarding the student's academic status.

The policy does not apply to a student's financial aid history and eligibility.

Students should be aware that many graduate and professional schools will compute an applicant's cumulative undergraduate GPA on all hours attempted, not just those completed under Fresh Start.

Students who are granted the privilege of Fresh Start must complete a minimum of 30 credits in new or repeated courses at Medaille prior to graduation.

All courses taken at Medaille will be used to calculate eligibility for College honors at commencement.

The Office of Academic Affairs reserves the right to rescind the Fresh Start policy if a student fails to meet minimum academic progress standards or violates any of the conditions of this policy.

Attendance

Regular attendance is expected in all classes and academic activities related to a course (e.g., field trips) unless otherwise specified. Individual faculty members establish the specific attendance requirements for their courses.

Medaille College subscribes to the "Guidelines on Students and Religious Observance" adopted by the Commission on Independent Colleges and Universities. Absence does not excuse a student from course work and responsibility for its completion.

Excessive absences are detrimental to student learning and performance, and it may affect certain types of financial aid.

Discontinuance of attendance in a course or courses does not constitute an official withdrawal. Students intending to withdraw from classes must file the appropriate paperwork with administrative offices. Withdrawal forms are available in the Registrar's Office.

Course Syllabus Policy

At the beginning of every course, the instructor distributes a written course syllabus to all students taking the course. The syllabus describes the objectives and content for the course and the method by which students' work will be evaluated for grades. Make sure you keep all of your syllabi so that you may refer to them throughout the semester.

The Evaluation of Students' Work

An evaluation system is required for each course. Examinations are ordinarily part of the evaluation system, but alternative methods of overall evaluation may be employed. At the first class period of the semester, the instructor will inform students through the course syllabus of the type of evaluation system that will be used for that course throughout the semester.

Academic Decorum

Medaille College does not tolerate sexual or racial harassment of students or employees by College faculty, staff, or students. Students are legally protected from such activity by both state and federal legislation and are asked to report any occurrence to the Academic Affairs Office without fear of recrimination.

The College does not tolerate immature or abusive behavior in the classroom setting. Upon receipt of a written complaint from the instructor, the Vice President for Academic Affairs may immediately remove the student from the class. The Vice President for Academic Affairs (or appropriate College dean) and the Dean of Students will review the evidence and render a final decision within 30 days.

Academic Integrity

Medaille College expects all students to complete their academic assignments with honesty and integrity. Students who engage in any form of academic dishonesty (e.g., plagiarism on an essay, cheating on a test, forging a signature or an entire College document) will be dealt with severely, with penalties ranging from an F on an assignment to failing a course or even academic suspension.

Students should consult their [Student Handbook](#) for full details on the College's policy and procedures for handling formal charges of academic dishonesty. The full policy is also on the College Web site.

Academic Grievance Procedure

Should a student wish to resolve an academically related conflict with an instructor, the Academic Grievance Procedure should be followed. The student should attempt to resolve the conflict directly with the instructor, if possible. If the conflict cannot be resolved between student and instructor, the student should bring the problem to the chairperson of the instructor's department. If still not resolved, the contact the appropriate College dean in writing. The decision of the Vice President for Academic Affairs (or his/her designee) is final for all academic matters.

Grade Appeal

Students wishing to appeal a final grade in a course must do so in writing within 60 days of the semester's grade report. This written appeal should be directed to the instructor of the course in question; then, the instructor's department chairperson and, thereafter, the Vice President for Academic Affairs or the appropriate College dean.

Course Prerequisites

Course prerequisites may be waived only by the consent of the faculty member teaching the course and the appropriate department chairperson. The department chairperson's decision is final. In situations where a course instructor is TBD, only the department chairperson's approval is required.

A signed, approved Course Substitution Form must be received in the Registrar's Office before a student is allowed to register for the course in question. Forms are available from the Registrar's Office, the Advisement Center, and from department secretaries.

Course Numbering

Course numbers indicate the following:

100-299 undergraduate, lower division courses, primarily for freshmen and sophomores

300-499 undergraduate, upper division courses, primarily for juniors and seniors

500-599 graduate, primarily foundation courses

600-699 graduate, advanced courses

Placement

The following are overall placement results from the graduating class of 2007, the class for which the most recent data is available:

Employment: 85%

Unemployment: 14%

Continuing Education: 16%

Placement Rate: 93%

Percentages are based on a Response Rate of 44%

All percentages are based on response rate.

Information regarding completion rates and other student data is available upon request from Medaille College's [Office of Institutional Research and Planning](#).

CHANGES YOU MAY NEED TO MAKE COURSE CHANGE (DROP/ADD)

A student may not drop or add courses within any particular semester after the dates indicated on the Academic Calendar. There is the possibility of reduced financial aid if dropping a course means the student would carry fewer than 12 credits. To drop/add a course, you must contact your advisor. Any course dropped within the published drop/add deadlines is removed from the student's record and no charges are assessed for the dropped course work.

Change of Name or Address

Students are required to notify the Registrar promptly in writing of any change of name or address.

Change of Degree Status

If you are taking courses but not applying the credits toward a degree or certificate, you are considered to be a non-matriculating student. If you acquire 15 credit hours, and wish to continue, you must apply for admission to the College. Follow procedures described in the Admissions section of this catalog.

Declaring a Major Program of Study

If you are an undeclared student, you must declare a major program upon completing 48 credit hours. You simply discuss your choice of program with your present advisor and the chairperson of the program of interest to you. Obtain a Change of Status Form from the Registrar. Have both your advisor and new department chairperson sign the form and return it to the Registrar's Office.

Transfer from One Program to Another

Forms for changing from one major program to another may be obtained in the Office of the Registrar and must have the appropriate signatures before the change is approved. A student may not transfer to another program during the last 12 credit hours required for degree completion.

Leave of Absence

A student may apply for a leave of absence from the College for either one or two consecutive semesters. The student must submit a completed Leave of Absence Form to the Office of the Registrar by the "Last Day/Evening to Withdraw" in order to receive "Ws" (see Academic Calendar). An Advisement Center representative will attempt to make contact with the student prior to registration week of each semester the student is on leave.

A student on leave for one or two consecutive academic semesters who wishes to return, may register for classes with his/her advisor. A student who leaves for more than two consecutive semesters in good standing will be readmitted to Medaille College through the Admissions Office and will be subject to all program requirements and policies in effect at the time of readmittance.

College Withdrawal

A student must submit written notification of intention to permanently withdraw from the College. Forms, which are available in the Registrar's Office and the Advisement Center, must be completed and returned to the Registrar's Office. Failure to provide written notice on an official form means you will be liable for full tuition and fees originally incurred (see Liability Policy). A student will receive "Ws" if the Withdrawal Form is submitted to the Registrar's Office by the "Last Day/Evening to Withdraw" (see Academic Calendar).

Any student who officially withdraws from the College must reapply through the Admissions Office and is subject to all program requirements and policies in effect at the time of readmittance.

CHOOSING YOUR MAJOR PROGRAM OF STUDY

In making a choice of a major program of study, you will want to consider your interests, abilities, and any previous work experience. It is also very important for you to read this catalog's description of each program and its required courses. In making your decision, you can discuss this information with an advisor at Medaille and other helpful people in your own life. Below is a list of Medaille College's undergraduate programs of study offered.

Degree Programs at Medaille:

Associate Degrees in:

Liberal Studies

Veterinary Technology

Bachelor's Degrees in:

Biology

Business Administration

Business Administration with MIS concentration

Communication

Criminal Justice

Education: Childhood (1-6)

Concentrations in English, Science (Biology), Social Sciences

Education: Early Education/Childhood (B-6)

Concentrations in Mathematics, English, Science (Biology), and Social Sciences

Education: Adolescent 7-12

Concentrations in English, Mathematics, and Social Sciences

English

Liberal Studies

Mathematics

Psychology

Sport Management

Veterinary Technology

Academic Minors:

The following academic minors are available to baccalaureate degree students:

Communication

Pre-Law

Psychology

Writing

Concentrations

Concentrations are an option available in certain baccalaureate degree programs. Each concentration consists of 12-13 credits of course work. A concentration must be declared by the completion of 60 credit hours. Students wishing to declare concentrations must do so no later than the beginning of their junior year (completion of 60 credit hours). Students transferring in more than 60 credit hours must declare their concentrations by the end of the first semester at Medaille. Students can take a maximum of one concentration and/or two minors.

Undeclared Program

As a freshman, you might not be sure which program of study matches your interests and abilities. Instead of declaring a major program immediately, you may remain "undeclared" for several semesters. This will give you the opportunity to explore courses in various majors and take advantage of interest inventories and other help available from a career counselor. You may declare a major program of study anytime; however, you must declare it before you complete 48 credit hours.

Matriculation toward the Associate Degree and the Baccalaureate Degree

Students may matriculate for either an associate or baccalaureate degree. Those who initially matriculate for an associate degree and successfully complete the requirements are entitled to apply for one of the baccalaureate programs.

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Those who initially matriculate for a baccalaureate degree may apply for an associate degree by completing a Change of Status Form. This must be done prior to the student completing 45 credit hours and, if applicable, the student may be required to meet the pertinent cumulative grade point average. The student's advisor must sign the Change of Status Form, enter on it the number of credits earned by the student as well as the student's GPA. The signature of the new department chairperson also is required.

REGISTRATION PROCEDURES

New students are registered through the [Academic Advisement Center](#).

Online registration occurs for returning students in November for the spring semester and April for the summer/fall semesters during the dates advertised.

The master schedule will be available via the Medaille College web site prior to the start of student advisement. All students must meet with an academic advisor prior to submitting registration via the web.

Students with absolute holds will be unable to process web registration until the hold is removed by office where the hold has been placed.

Students are registered via a time ticket which is assigned according the student classification with seniors and potential graduates given first priority

Once a student has web registered, s/he may print his/her schedule from the web.

Once web registration has been closed students may register in person or by fax through the Registrar's office.

Questions regarding registration should be directed to the [Registrar's Office](#).

HEGIS CODES

Enrollment in other than registered or otherwise approved programs (by the State Education Department) may jeopardize eligibility for certain student aid awards.

Program Name: HEGIS Code

Bachelor of Science/ Master of Business Administration Degrees

Business Administration (B.S.): 0506

Sport Management (B.S.): 0599

Bachelor of Science/Master of Science

Accounting (B.S./M.S.): 0502

Bachelor of Business Administration Degree

¹Business Administration (B.B.A): 0506

Bachelor of Science Degrees

Biology: 0401

Business Administration: 0506

Business Administration-MIS: 0506

Communication: 0605

Criminal Justice: 2105

Liberal Studies: 4901

Sport Management: 0599

Veterinary Technology: 0104

Bachelor of Science in Education Degrees

Adolescent Education: English 7-12 with Special Education: 0808

Adolescent Education: Mathematics 7-12 with Special Education: 0808

Adolescent Education: Social Studies 7-12 with Special Education: 0808

Elementary Education: Childhood: 0802

Education: Early Childhood/Childhood (B-6): 0802

Education: Middle Childhood: 0804

Bachelor of Arts Degrees

English: 1501

Psychology: 2001

Visual and Digital Arts: 1099

Associate in Science Degrees

Liberal Studies: 5649

Veterinary Technology: 5402

¹Business: 5001

Certificates

¹Computer Crimes Investigation: 5505

¹Offered at Medaille College's Amherst and Rochester Branch campuses only. Please refer to the *School of Adult and Graduate Education Accelerated Learning Program Undergraduate Student Handbook* for all information pertaining to these degree programs.

Note: New freshman and transfer students for the 2009-2010 academic year are not eligible to enroll in B.S. Psychology or B.A. Visual and Digital Arts, as these programs are currently on enrollment hiatus.

PROGRAMS OF STUDY

ACADEMIC MINORS

Academic minors are an option available to baccalaureate degree students. Each minor consists of 18-21 semester hours of course work. At least six credit hours in each minor must be completed at the College. Students may not elect a minor from the same discipline as their major program. A minor should be declared by the completion of 60 credit hours. Students wishing to declare minors must do so by the beginning of their junior year (completion of 60 credit hours). Students transferring in more than 60 credit hours must declare their minors by the end of the first semester at Medaille. Students can take a maximum of one concentration and/or two minors. The following minors are available:

Communication (21 credit hours)

- COM 101 Introduction to Mass Communications (3)
- COM 110 Journalism: Organization and Practice (3)
- COM 130 Broadcasting: Principles and Practice (3)
- COM 150 Media Promotion: Organization and Practice (3)
- COM (Any) Media/Communications Elective (3)
- COM (300/400 level) Media/Communications Electives (6)

Psychology (18 Credit Hours)

- PSY 100 Introduction to Psychology (3)
- PSY (Any) Psychology Elective (3)
- PSY (300/400 Level) Psychology Elective (3)

Developmental: PSY 210 Child Development, PSY 240 Adolescence, PSY 349 Psychology of Adulthood (9)

Or

Experimental: PSY 230 Biopsychology, PSY 321 Behavioral Neuroscience, PSY 351 Psychopharmacology (9)

Or

General: PSY 247 Cognitive Psychology, PSY 310 Social Psychology, PSY 370 Abnormal Human Behavior (9)

Pre-Law (21 credit hours)

- CRJ 101 Introduction to Criminal Justice (3) or POL 101 United States Government (3)
- Choose one course from the following: HIS 140, HIS 150, HIS 450, HIS 451 (3)
- ENG 205 Introduction to Literature (3) or ENG 215 Survey of World Literature (3)
- PHI 200 Logic (3)
- PHI 300 Ethics (3)
- PSY (300/400 level) Psychology Elective (3) or SOC (300/400 level) Sociology Elective (3)

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ENG 290 Argumentation and Persuasion (3) or ENG 360 Advanced Report and Proposal Writing (3)

Writing (18 credit hours)

ENG 200 Analytical Writing (3)

Any Five of the following: (15)

- ENG 210 Introduction to Creative Writing (3)
- ENG 260 Business and Professional Writing (3)
- ENG 300 Fiction Workshop (3)
- ENG 310 Poetry Workshop (3)
- ENG 320 Drama Workshop
- ENG 330/331 Prelude Practicum I & II (3)
- ENG 360 Advanced Report and Proposal Writing (3)
- ENG 400 Senior Portfolio (3)
- ENG 477 Writing Field Experience (3)
- ENG 498 Independent Study in Writing (3)

ACCOUNTING

The goal of Medaille's accounting curriculum is to prepare students for successful careers in public or private accounting. To that end Medaille has combined our four year undergraduate degree with an additional year of graduate courses to meet New York State's Education Department's requirements to sit for the CPA exam. At the completion of the program you will be graduating with a Bachelors degree as well as a Masters degree in accounting. The program provides the student with the practical, as well as the theoretical knowledge and learning experiences required to be successful in the accounting profession.

As part of the major requirements each student takes courses in management, marketing, finance, business law and management information systems. The field experience requirement gives students the opportunity for "hands-on" experience applying what has been learned in the classroom to real business situations. Students frequently receive job offers through these internships. Credits for work/life experience can also be earned by students who have had appropriate previous experience in related areas.

The ability to communicate well is essential in the accounting profession. The liberal arts and sciences portion of the degree provides those necessary skills as well as a solid foundation in the humanities, social sciences, mathematics and science.

All Accounting majors should complete 100-level business courses, ENG 110, ENG 200, SPE 130, ECO 200, and ECO 201 during their first two years at Medaille.

Accounting majors are expected to attend all classes. Students are responsible for all material covered and for any announcements made in any class session whether the student is present or not. Majors in this program may not take any business course Pass/Fail. A 2.5 cumulative grade point average (GPA) is required of all Accounting majors in their core and elective business courses to graduate.

Students admitted to the Program must maintain at least a 3.0 College GPA in order to continue in the Program in good standing. Students enrolled in the Program who fail to maintain a 3.0 average through their first four years will be ineligible to proceed with the fifth year of the Program and will instead be awarded the degree of B.S. in Business Administration

Credit Distribution

B.S./M.S. in Accounting

Total credit hours for B.S. in Accounting: 120 credit hours

Total credit hours for B.S./ M.S. in Accounting: 150 credit hours

General Education Core

Credits

ENG 110 College Writing II 3

ENG 200 Analytical Writing 3

GEN110 Introduction to Critical Thinking 3

GEN220 Colonial N. America: Case Study in Cultural Interaction 3

GEN230 Creative Expression 3

GEN240 Scientific Discovery 3

GEN410 Baccalaureate Capstone I 3

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GEN411 Baccalaureate Capstone II	3
MAT 114 Intermediate Algebra	3
SPE 130 Fundamentals of Public Speaking	3
Total General Education Core	30

Major Requirements

General Business requirements:

ACC101 Financial Accounting	3
ACC102 Managerial Accounting	3
BUS299 Business Law I	3
BUS315 Business Law II	3
ECO200 Macroeconomics	3
ECO201 Microeconomics	3
ECO262 Statistics for Business & Economics	3
MGT 220 Principles of Marketing	3
MGT302 Operations Management	3
MGT330 Organizational Behavior	3
MGT340 Financial Management	3
MGT400 Financial Planning	3
MGT420 Policy and Strategy Case Studies	3
Total General Business	39

Specific Major Course Requirements:

ACC 300 Income Tax Accounting	3
ACC 305 Cost Accounting	3
ACC350 Intermediate Accounting I	3
ACC351 Intermediate Accounting II	3
ACC410 Advanced Accounting	3
ACC430 Auditing	3
Sub-Total Accounting Courses	18

Field Experience:

ACC377 Field Experience I	3
ACC477 Field Experience II	3
Total Field Experience	6

Liberal Arts and Sciences Courses:

ENG 205 Introduction To Literature OR ENG 215 Survey of World Literature	3
ENG 260 Business and Professional Writing	3
MAT115 Pre-Calculus	3
MAT216 Survey of Introductory Calculus	3
PHI 300 Ethics	3
PSY100 Introduction to Psychology	3
Total Liberal Arts and Sciences	18

Free Electives

Liberal Arts Elective Component	3
Other Undergraduate	
MGT 175 Business Communication	3
MIS 240 Management Information Science (MIS)	3
Total Other	6
Total Undergraduate (BS in Accounting)	120

M.S in Accounting

	Graduate Credits
Required:	
MSA 670 Accounting Theory and Research	3
MSA 672 Computer Auditing	3
MSA 673 Advanced Taxation	3
MSA 600 Economic Analysis	3
MSA 605 Financial Management	3
MSA 603 Quantitative Methods	3
MSA 630 Advanced Strategy	3
MSA 631 Integrative Case Studies	3
Total Required Courses	24
Electives; Choose 2 from Following	
MSA601 Strategic Human Resource Management	
MSA602 Organizational Behavior and Development	
MSA 621 Strategic Operations Management	
MSA 623 Strategic Marketing	
Total Elective Credits	6
Total Masters Credits	30
Total Program	150

ADOLESCENT TEACHING: ENGLISH 7-12 WITH SPECIAL EDUCATION

Medaille College's B.A. Degree Program in English with Dual Certification in English Language Arts 7-12 and Special Education is committed to the academic and professional preparation of highly qualified teachers through rigorous, integrated coursework in the liberal arts and professional studies. The program emphasizes active, experiential learning both inside and outside the classroom through frequent field observation and practice over four years. The Program is committed to fostering reflective practitioners with demonstrated proficiency in academic content, pedagogy, learning theory, and student development. Its graduates will be well prepared to function effectively in an inclusive classroom, to meet successfully the learning and developmental needs of diverse student constituencies, and to function as capable professionals in a variety of secondary school environments. The program is dedicated to producing teachers who will exhibit intellectual rigor and compassion in the learning environment and who will balance their high expectations for students with appropriate degrees of support and assistance to assure adolescents' intellectual and personal growth. Program graduates will demonstrate the knowledge, skills, professional attitude, character, and commitment to future students and the teaching profession congruent with New York State and national standards for initial certification and long-term professional success.

Program Goals

The Program has established the following pre-service goals:

- to provide students with individual supervision and assessment during their course work and field experience to assure that each teacher candidate has the opportunity to develop appropriate professional skills;
- to offer a contemporary curriculum that provides majors with the knowledge of subject matter, teaching techniques and basic principles of classroom management;
- to prepare specialized content matter experts who are also strongly grounded in the liberal arts and professional studies;
- to prepare facilitators of learning equipped with multiple methodologies for teaching adolescents;
- to provide majors with an understanding of the foundations of educational practice and the philosophical, historical, social, psychological, and pedagogical principles that guide instructional decisions;
- to prepare teachers who are skilled in professional collaboration and team work;
- to foster graduates who participate in professional growth opportunities as life-long learners and who are potential leaders in community and educational settings;
- to produce graduates able to effectively teach in inclusive and culturally diverse classrooms and to promote learning and healthy development for all adolescents, including those with disabilities and special abilities by planning for remediation, enrichment, and adaptation of materials;

- to prepare graduates who can effectively integrate theory and practice, engage in critical reading and questioning of current theory and research, and be problem solvers;
- to prepare teachers who understand, practice, and model the highest standards of professional behavior and responsibility in their interactions with students, parents and other caregivers, school colleagues, and the community; and
- to produce teachers who will provide informed and thoughtful advocacy for adolescents.

Program Outcomes

The learning outcomes and proficiencies of the B.A. Degree Program in English with Certification in English Language Arts 7-12 are arranged in four broad categories: (a) curriculum, (b) pedagogy and learning environment, (c) assessment, and (d) professionalism and relationships.

Graduates of Medaille College's adolescent teacher certification programs will be able to:

- demonstrate proficient knowledge in their professional education and English Language Arts at the 7-12 level;
- demonstrate knowledge of methods of inquiry in English Language Arts at the 7-12 level ;
- relate and integrate English Language Arts at the 7-12 level content knowledge to other disciplinary fields of study;
- construct and deliver appropriate curricula for students;
- teach subject matter accurately;
- teach content from multiple viewpoints; and
- apply disciplinary knowledge to common life experiences.

Pedagogy and Learning Environment:

- demonstrate an understanding of the components of effective instruction;
- demonstrate an understanding of how students learn and think about subject content;
- select and apply a variety of teaching methods and educational materials appropriately and effectively according to the needs of various learning groups, individual students' learning styles, and the goals of each lesson;
- demonstrate knowledge of the developmental needs of adolescents, particularly as it relates to the teaching-learning process and as evidenced by an ability to meet the diverse learning needs of students;
- motivate students to want to learn individually, collaboratively, and cooperatively through a variety of successful teaching strategies;
- integrate media and technology to enhance learning;
- explain and adapt to the influences of society, culture, community, and family on schools;
- demonstrate a comprehension of and adaptability to student diversity: ethnic, gender, social class, race, religion, region, disability, and its implications;

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- create an effective, well-managed, positive, and active learning environment with high expectations for student achievement; and
- manage student behavior in positive, safe ways.

Assessment:

- keeps records to determine and report student progress;
- evaluate student learning and development through a variety of appropriate formative and summative assessment instruments, including standardized and teacher-constructed tests as well as alternative measures;
- use assessment results to improve student learning, teaching effectiveness, and the learning environment; and
- reflect upon and improve their professional performance based on professional standards, student, peer and supervisor feedback, and best practices.

Professionalism and Relationships:

- develop a personal philosophy of education that will serve as a basis for professional decisions;
- demonstrate knowledge of the American public school system;
- practice professional and ethical behavior consistent with recognized educational standards and codes of ethics;
- engage in research, reflection, and life-long learning to assure continued personal and professional development;
- exhibit a genuine sense of responsibility and service to students and teaching, valuing all aspects of students' well being; and
- build collaborative and respectful relationships with colleagues, supervisors, students, parents, and community members.

Credit Distribution

Total Credit Hours: 126

Pedagogy Core (48 Credit Hours)

EDU 236 Content Area Literacy with Field Work (3)

EDU 237 Adolescent Reader and Writer with Field Work (3)

EDU 340 Issues: Child Abuse, Drug awareness, School Violence (0)

EDU 364 Adolescent Teaching: English Language Arts Methods with Practica 3

EDU 469 Foundation of Education (3)

ESP 230 Introduction to Special Education (3)

ESP 276 Positive Behavioral Support Approaches to Classroom Management & Instruction (3)

ESP 328 Education and Assessment of Children with Mild to Moderate Disabilities with Practica (3)

ESP 338 Educating and Assessing Students with Moderate to Severe Disabilities with Practica (3)

ESP 400 Integrating the Curriculum: An Educational Collaboration (3)

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EDU 480 Student Teaching (11)
EDU 481 Student Teaching Seminar (1)
CIS 165 Computer Applications in Secondary Education (3)
PSY 100 Introduction to Psychology (3)
PSY 240 Adolescence (3)
Content Core (36 Credit Hours)
ENG 205 Introduction to Literature (3)
ENG 210 Introduction to Creative Writing (3)
ENG 215 Survey of World Literature (3)
ENG 305 British Literature: Middle Ages to the Eighteenth Century (3)
ENG 315 British Literature: Late Eighteenth Century through the Twentieth Century (3)
ENG 325 American Literature: Colonial to the Civil War (3)
ENG 335 American Literature: Civil War through the twentieth Century (3)
ENG 365 Ethnic Literature in America (3)
ENG 435 Major Literary Figures: Shakespeare (3)
ENG 460 Literary Theory and Criticism (3)
ENG Elective Choose One:
ENG 300 Fiction Workshop (3)
ENG 310 Poetry Workshop (3)
ENG 320 Dramatic Workshop (3)
ENG 360 Advanced Report and Proposal Writing (3)
ENG Elective Choose One:
ENG 345 Film Art and Appreciation (3)
ENG 355 Major Literary Forms (3)
ENG 405 Themes and Topics in American Literature (3)
ENG 415 Themes and Topics in British Literature (3)
ENG 425 Themes and Topics in World Literature (3)
General Education Requirement (30 Credit Hours)
GEN 110 Introduction to Critical Thought (3)
GEN 220 A Global Perspective on Colonial North America (3)
GEN 240 Scientific Discovery (3)
GEN 410 Baccalaureate Capstone I (3)
GEN 411 Baccalaureate Capstone II (3)
ENG 110 College Writing II (3)
ENG 200 Analytical Writing (3)
SPE 130 Fundamentals of Public Speaking (3)
MAT 114 Intermediate Algebra (3)
MAT 201 Statistics and Society (3)
Liberal Arts Requirements (6 Credit Hours)
HUM 300 Literature and the Arts (3)
PHY 104 Physical Science (3)

Foreign Language Requirement (6 Credit Hours)

FRE 101 and FRE 102 French I and French II (6) or SPA 101 and SPA 102 Spanish I and Spanish II (6)

ADOLESCENT TEACHING: MATHEMATICS 7-12 WITH SPECIAL EDUCATION

Medaille College's B. S. Ed. Degree Program in Adolescent Mathematics Education with dual Certification in Mathematics 7-12 and Special Education is committed to the academic and professional preparation of highly qualified teachers through rigorous, integrated coursework in the liberal arts and professional studies. The program emphasizes active, experiential learning both inside and outside the classroom through frequent field observation and practice over four years.

The Program is committed to fostering reflective practitioners with demonstrated proficiency in academic content, pedagogy, learning theory, and student development. Its graduates will be well prepared to function effectively in an inclusive classroom, to meet successfully the learning and developmental needs of diverse student constituencies, and to function as capable professionals in a variety of secondary school environments. The program is dedicated to producing teachers who will exhibit intellectual rigor and compassion in the learning environment and who will balance their high expectations for students with appropriate degrees of support and assistance to assure adolescents' intellectual and personal growth.

Program graduates will demonstrate the knowledge, skills, professional attitude, character, and commitment to future students and the teaching profession congruent with New York State and national standards for initial certification and long-term professional success.

Program Goals

The Program has established the following pre-service goals:

- to provide students with individual supervision and assessment during their course work and field experience to assure that each teacher candidate has the opportunity to develop appropriate professional skills;
- to offer a contemporary curriculum that provides majors with the knowledge of subject matter, teaching techniques and basic principles of classroom management;
- to prepare specialized content matter experts who are also strongly grounded in the liberal arts and professional studies;
- to prepare facilitators of learning equipped with multiple methodologies for teaching adolescents;
- to provide majors with an understanding of the foundations of educational practice and the philosophical, historical, social, psychological, and pedagogical principles that guide instructional decisions;
- to prepare teachers who are skilled in professional collaboration and team work;
- to foster graduates who participate in professional growth opportunities as life-long learners and who are potential leaders in community and educational settings;

- to produce graduates able to effectively teach in inclusive and culturally diverse classrooms and to promote learning and healthy development for all adolescents, including those with disabilities and special abilities by planning for remediation, enrichment, and adaptation of materials;
- to prepare graduates who can effectively integrate theory and practice, engage in critical reading and questioning of current theory and research, and be problem solvers;
- to prepare teachers who understand, practice, and model the highest standards of professional behavior and responsibility in their interactions with students, parents and other caregivers, school colleagues, and the community; and
- to produce teachers who will provide informed and thoughtful advocacy for adolescents.

Program Outcomes

The learning outcomes and proficiencies of the B. S. Ed. Degree Program in Adolescent Mathematics Education with Certification in Mathematics 7-12 are arranged in four broad categories: (a) curriculum, (b) pedagogy and learning environment, (c) assessment, and (d) professionalism and relationships. Graduates of Medaille College's adolescent teacher certification programs will be able to:

Curriculum

- demonstrate proficient knowledge in their professional education and Mathematics at the 7-12 level;
- demonstrate knowledge of methods of inquiry in Mathematics at the 7-12 level ;
- relate and integrate Mathematics at the 7-12 level content knowledge to other disciplinary fields of study;
- construct and deliver appropriate curricula for students;
- teach subject matter accurately;
- teach content from multiple viewpoints; and
- apply disciplinary knowledge to common life experiences.

Pedagogy and Learning Environment

- demonstrate an understanding of the components of effective instruction;
- demonstrate an understanding of how students learn and think about subject content;
- select and apply a variety of teaching methods and educational materials appropriately and effectively according to the needs of various learning groups, individual students' learning styles, and the goals of each lesson;
- demonstrate knowledge of the developmental needs of adolescents, particularly as it relates to the teaching-learning process and as evidenced by an ability to meet the diverse learning needs of students;

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- motivate students to want to learn individually, collaboratively, and cooperatively through a variety of successful teaching strategies;
- integrate media and technology to enhance learning;
- explain and adapt to the influences of society, culture, community, and family on schools;
- demonstrate a comprehension of and adaptability to student diversity: ethnic, gender, social class, race, religion, region, disability, and its implications;
- create an effective, well-managed, positive, and active learning environment with high expectations for student achievement; and
- manage student behavior in positive, safe ways.

Assessment

- keeps records to determine and report student progress;
- evaluate student learning and development through a variety of appropriate formative and summative assessment instruments, including standardized and teacher-constructed tests as well as alternative measures;
- use assessment results to improve student learning, teaching effectiveness, and the learning environment; and
- reflect upon and improve their professional performance based on professional standards, student, peer and supervisor feedback, and best practices.

Professionalism and Relationships

- develop a personal philosophy of education that will serve as a basis for professional decisions;
- demonstrate knowledge of the American public school system;
- practice professional and ethical behavior consistent with recognized educational standards and codes of ethics;
- engage in research, reflection, and life-long learning to assure continued personal and professional development;
- exhibit a genuine sense of responsibility and service to students and teaching, valuing all aspects of students' well being; and
- build collaborative and respectful relationships with colleagues, supervisors, students, parents, and community members.

Credit Distribution Total Credit Hours: 128

Pedagogy Core (48 Credit Hours)

EDU 237 Adolescent Reader and Writer with Field Work (3)

EDU 236 Content Area Literacy with Field Work (3)

EDU 340 Issues: Child Abuse, Drug awareness, School Violence 90)

EDU 362 Adolescent Teaching: Math Methods with Practica (3)

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EDU 469 Foundation of Education (3)
ESP 230 Introduction to Special Education (3)
ESP 276 Positive Behavioral Support Approaches to Classroom Management & Instruction (3)
ESP 328 Education and Assessment of Children with Mild to Moderate Disabilities with Practica (3)
ESP 338 Educating and Assessing Students with Moderate to Severe Disabilities with Practica (3)
ESP 400 Integrating the Curriculum: An Educational Collaboration (3)
EDU 480 Student Teaching (11)
EDU 481 Student Teaching Seminar (1)
CIS 165 Computer Applications in Secondary Education (3)
PSY 100 Introduction to Psychology (3)
PSY 240 Adolescence (3)
Content Core (47 Credit Hours)
MAT 151 Trigonometry/Geometry (3)
MAT 182 Discrete Mathematics (3)
MAT 242 Linear Algebra (3)
MAT 251 Calculus I (3)
MAT 252 Calculus II (3)
MAT 255 Theory of Numbers (3)
MAT 261 Calculus III (3)
MAT 342 Abstract Algebra (3)
MAT 361 Differential Equations (3)
MAT 381 Statistics and Probability I (3)
MAT 382 Statistics and Probability II (3)
MAT 421 Real Variables (3)
MAT Elective: Choose One of the Following:
MAT 250 Operations Analysis and Modeling (3)
MAT 298 Special Topic in Mathematics(3)
PHI 201 Formal Logic(3)
PHY 200 and PHY 201 Principles of Physics I and II 8
or
CHE 200 and CHE 201 General Chemistry I and II 8
General Education Requirement (27 Credit Hours)
GEN 110 Introduction to Critical Thought (3)
GEN 220 A Global Perspective on Colonial North America (3)
GEN 230 Creative Expression (3)
GEN 240 Scientific Discovery (3)
GEN 410 Baccalaureate Capstone I (3)
GEN 411 Baccalaureate Capstone II (3)
ENG 110 College Writing II (3)
ENG 200 Analytical Writing (3)
SPE 130 Fundamentals of Public Speaking (3)

Foreign Language Requirement (6 Credit Hours)

FRE 101 and FRE 102 French I and French II (6)

or

SPA 101 and SPA 102 Spanish I and Spanish II 6

ADOLESCENT TEACHING: SOCIAL STUDIES 7-12 WITH SPECIAL EDUCATION

Medaille College's B.S. Ed. Degree Program in Adolescent Social Studies Education with Dual Certification in Social Studies 7-12 and Special Education is committed to the academic and professional preparation of highly qualified teachers through rigorous, integrated coursework in the liberal arts and professional studies. The program emphasizes active, experiential learning both inside and outside the classroom through frequent field observation and practice over four years.

The Program is committed to fostering reflective practitioners with demonstrated proficiency in academic content, pedagogy, learning theory, and student development. Its graduates will be well prepared to function effectively in an inclusive classroom, to meet successfully the learning and developmental needs of diverse student constituencies, and to function as capable professionals in a variety of secondary school environments. The program is dedicated to producing teachers who will exhibit intellectual rigor and compassion in the learning environment and who will balance their high expectations for students with appropriate degrees of support and assistance to assure adolescents' intellectual and personal growth.

Program graduates will demonstrate the knowledge, skills, professional attitude, character, and commitment to future students and the teaching profession congruent with New York State and national standards for initial certification and long-term professional success.

Program Goals

The Program has established the following pre-service goals:

- to provide students with individual supervision and assessment during their course work and field experience to assure that each teacher candidate has the opportunity to develop appropriate professional skills;
- to offer a contemporary curriculum that provides majors with the knowledge of subject matter, teaching techniques and basic principles of classroom management;
- to prepare specialized content matter experts who are also strongly grounded in the liberal arts and professional studies;
- to prepare facilitators of learning equipped with multiple methodologies for teaching adolescents;
- to provide majors with an understanding of the foundations of educational practice and the philosophical, historical, social, psychological, and pedagogical principles that guide instructional decisions;
- to prepare teachers who are skilled in professional collaboration and team work;

- to foster graduates who participate in professional growth opportunities as life-long learners and who are potential leaders in community and educational settings;
- to produce graduates able to effectively teach in inclusive and culturally diverse classrooms and to promote learning and healthy development for all adolescents, including those with disabilities and special abilities by planning for remediation, enrichment, and adaptation of materials;
- to prepare graduates who can effectively integrate theory and practice, engage in critical reading and questioning of current theory and research, and be problem solvers;
- to prepare teachers who understand, practice, and model the highest standards of professional behavior and responsibility in their interactions with students, parents and other caregivers, school colleagues, and the community; and
- to produce teachers who will provide informed and thoughtful advocacy for adolescents.

Program Outcomes

The learning outcomes and proficiencies of the B.S. Ed. Degree Program in Adolescent Social Studies Education with Certification in Social Studies 7-12 are arranged in four broad categories: (a) curriculum, (b) pedagogy and learning environment, (c) assessment, and (d) professionalism and relationships.

Graduates of Medaille College's adolescent teacher certification programs will be able to:
Curriculum

- demonstrate proficient knowledge in their professional education and English Language Arts at the 7-12 level;
- demonstrate knowledge of methods of inquiry in English Language Arts at the 7-12 level;
- relate and integrate English Language Arts at the 7-12 level content knowledge to other disciplinary fields of study;
- construct and deliver appropriate curricula for students;
- teach subject matter accurately;
- teach content from multiple viewpoints; and
- apply disciplinary knowledge to common life experiences.

Pedagogy and Learning Environment

- demonstrate an understanding of the components of effective instruction;
- demonstrate an understanding of how students learn and think about subject content;
- select and apply a variety of teaching methods and educational materials appropriately and effectively according to the needs of various learning groups, individual students' learning styles, and the goals of each lesson;

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- demonstrate knowledge of the developmental needs of adolescents, particularly as it relates to the teaching-learning process and as evidenced by an ability to meet the diverse learning needs of students;
- motivate students to want to learn individually, collaboratively, and cooperatively through a variety of successful teaching strategies;
- integrate media and technology to enhance learning;
- explain and adapt to the influences of society, culture, community, and family on schools;
- demonstrate a comprehension of and adaptability to student diversity: ethnic, gender, social class, race, religion, region, disability, and its implications;
- create an effective, well-managed, positive, and active learning environment with high expectations for student achievement; and
- manage student behavior in positive, safe ways.

Assessment

- keeps records to determine and report student progress;
- evaluate student learning and development through a variety of appropriate formative and summative assessment instruments, including standardized and teacher-constructed tests as well as alternative measures;
- use assessment results to improve student learning, teaching effectiveness, and the learning environment; and
- reflect upon and improve their professional performance based on professional standards, student, peer and supervisor feedback, and best practices.

Professionalism and Relationships

- develop a personal philosophy of education that will serve as a basis for professional decisions;
- demonstrate knowledge of the American public school system;
- practice professional and ethical behavior consistent with recognized educational standards and codes of ethics;
- engage in research, reflection, and life-long learning to assure continued personal and professional development;
- exhibit a genuine sense of responsibility and service to students and teaching, valuing all aspects of students' well being; and
- build collaborative and respectful relationships with colleagues, supervisors, students, parents, and community members.

Credit Distribution

Total Credit Hours: 129

Pedagogy Core (48 Credit Hours)

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EDU 236 Content Area Literacy with Field Work (3)
EDU 237 Adolescent Reader and Writer with Field Work 3
EDU 340 Issues: Child Abuse, Drug awareness, School Violence (0)
EDU 363 Adolescent Teaching: Social Studies Methods with Practica (3)
EDU 469 Foundation of Education (3)
ESP 230 Introduction to Special Education (3)
ESP 276 Positive Behavioral Support Approaches to Classroom Management & Instruction (3)
ESP 328 Education and Assessment of Children with Mild to Moderate Disabilities with Practica (3)
ESP 338 Educating and Assessing Students with Moderate to Severe Disabilities with Practica (3)
ESP 400 Integrating the Curriculum: An Educational Collaboration (3)
EDU 480 Student Teaching 11
EDU 481 Student Teaching Seminar 1
CIS 165 Computer Applications in Secondary Education (3)
PSY 100 Introduction to Psychology (3)
PSY 240 Adolescence (3)
Content Core (39 Credit Hours)
ECO 200 Macroeconomics (3)
ECO 201 Microeconomics (3)
GEO 110 Physical Geography (3)
GEO 310 Cultural Geography (3)
HIS 100 Western Civilization (3)
HIS 101 World Cultures (3)
HIS 140 Early United States History (3)
HIS 150 Contemporary United States History (3)
HIS 315 History of Ethnic America (3)
HIS 400 American Historiography (3)
HIS 402 The History of New York State (3)
POL 100 Introduction to Political Science (3)
POL 101 United States Government (3)
General Education Requirement (30 Credit Hours)
GEN 110 Introduction to Critical Thought (3)
GEN 230 Creative Expression (3)
GEN 240 Scientific Discovery (3)
GEN 410 Baccalaureate Capstone I (3)
GEN 411 Baccalaureate Capstone II (3)
ENG 110 College Writing II (3)
ENG 200 Analytical Writing (3)
SPE 130 Fundamentals of Public Speaking (3)
MAT 114 Intermediate Algebra (3)
MAT 201 Statistics and Society (3)
Liberal Arts Requirements (6 Credit Hours)

ENG 215 Survey of World Literature (3)

PHY 104 Physical Science (3)

Foreign Language Requirement (6 Credit Hours)

FRE 101 and FRE 102 French I and French II 6

or

SPA 101 and SPA 102 Spanish I and Spanish II 6

BIOLOGY

Program Description

The purpose of the bachelor's of science degree program in biology is to provide rigorous training to those students desiring careers in the biological, biomedical, and environmental sciences. The program also provides the necessary preparation to those students who wish to pursue graduate training in biology, medicine, or veterinary science. The goal of the program is to produce graduates who, having been trained in the analytical and investigative techniques of the biological sciences, are ready to embark on promising careers in government, industry, and biomedical sciences.

The Biology major at Medaille is designed to introduce students to the broad spectrum of biological knowledge, from the complexities of the single cell to the dynamics of the ecosystem, and to develop an awareness of the achievements, methods, potentials, and limitations of the biological sciences. Consistent with a liberal education, the Biology major includes a combination of required and elective courses. Students may utilize their electives to experience the rich traditions of the liberal arts, to develop significant expertise in a second area of study, such as communications or management, or to acquire an additional degree or certification, i.e., the Associate in Science degree in Veterinary Technology.

The curriculum consists of a 37-credit core of courses designed to allow students to explore, in depth, the analytical procedures and principle tenets of thought in biological science. The core consists of (a) eight required courses in botany, cell biology, ecology, genetics, microbiology, epidemiology and biostatistics, and comparative anatomy and physiology; and (b) a choice of electives from courses that include immunology, animal behavior, advanced vertebrate physiology, herpetology, ichthyology, ornithology, mammalogy, organic evolution, developmental biology, and biochemistry. Students also take courses in general and organic chemistry, and mathematics. The design of the Biology curriculum is such that graduates of Medaille's Associate in Science degree program in Veterinary Technology may transfer into the Bachelor of Science degree program in Biology without loss of any credits, provided they take the appropriate chemistry and liberal arts sequences.

Credit Distribution

Bachelor of Science

General Education Core (30 credits)

BIO 301 Epidemiology and Biostatistics (3)

ENG 110 College Writing II (3)

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ENG 200 Analytical Writing (3)

*GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

**MAT 115 Pre-Calculus (3)

SPE 130 Fundamentals of Public Speaking (3)

Major Requirements (37 Credits)

Required Courses (28 credits)

BIO 120 Botany (4)

BIO 170 Comparative Anatomy and Physiology I (5)

BIO 171 Comparative Anatomy and Physiology II (5)

BIO 200 Microbiology (4)

BIO 220 Cell Biology (3)

BIO 320 Ecology (4)

BIO 330 Genetics (3)

***Biology Electives (9)

Liberal Arts and Sciences Courses (19 credits)

Required Courses

CHE 200 General Chemistry I (4)

CHE 201 General Chemistry II (4)

CHE 300 Organic Chemistry I (4)

CHE 301 Organic Chemistry II (4)

PHI 300 Ethics (3)

Other (3 credits)

CIS 115 Computer Information Systems 115 or Above (3)

Free Electives (39 Credits)

(May include any College course)

Total 128 credit hours

*Required of first-year students; all other students must substitute a Social Sciences Elective.

**Students who meet the math requirement by placement must substitute a Free Elective.

*** Students must choose three courses from the following: BIO 303, BIO 310, BIO 340, BIO 370, BIO 371, BIO 421, BIO 422, BIO 423, BIO 424, BIO 430, BIO 470, BIO 498, CHE 400

Note: Students planning to apply for admission to graduate, medical, or veterinary school are strongly encouraged to take CHE 400 General Biochemistry, PHY 200 Principles of Physics I, PHY 201 Principles of Physics II, and MAT 251 Calculus I and MAT 252 Calculus II or MAT 216 Survey of Introductory Calculus and Its Applications. Students interested in professional careers in medicine are advised to develop a foundation in the humanities and social sciences.

BUSINESS ADMINISTRATION

Program Description

The Business Administration curriculum is designed to provide the student with the practical, as well as the theoretical knowledge and learning experiences required to be successful in a business environment. The goal of the program is to give students the ability to recognize and capitalize on business opportunities by harnessing the business and economic resources available to them. Medaille's generalist approach imparts a working expertise in all the functional areas of business, enabling the student to better understand the management of a business.

As part of the major requirements each student takes courses in accounting, management, marketing, finance, and law. The management information systems component seeks to provide a basic familiarity of computers for Business students. The field experience requirement gives students the opportunity for "hands-on" experience applying what has been learned in the classroom to real business situations. Credits for work/life experience can also be earned by students who have had appropriate previous experience in related areas.

The liberal arts and sciences portion of the degree seeks to provide a solid foundation in the humanities and social sciences as well as a background in mathematics and science.

All Business majors should complete 100-level business courses, ENG 110, ENG 200, SPE 130, ECO 200, and ECO 201 during their first two years at Medaille.

Business majors are expected to attend all classes. Students are responsible for all material covered and for any announcements made in any class session whether the student is present or not. Majors in this program may not take any business course Pass/Fail. A 2.0 cumulative grade point average (GPA) is required of all Business majors in their core and elective business courses to graduate.

The Bachelor of Science degree in Business Administration is accredited by the International Assembly for Collegiate Business Education (IACBE).

Credit Distribution

Bachelor of Science Credit Hours

General Education Core (30 Credit Hours)

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

**GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

MAT 115 Pre-Calculus (3)

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SPE 130 Fundamentals of Public Speaking (3)
Minimum General Education (30 Credit Hours)

Major Requirements

ACC 101 Financial Accounting (3)
ACC 102 Managerial Accounting (3)
ECO 200 Macroeconomics (3)
ECO 201 Microeconomics (3)
ECO 260 Econometrics I (3)
ECO 261 Econometrics (3)
MIS 240 Management Information Systems (3)
MGT 175 Management Concept and Communication (3)
MGT 220 Principles of Marketing (3)
MGT 299 Business Law I (3)
MGT 302 Operations Management (3)
MGT 335 Organizational Behavior (3)
MGT 340 Financial Management (3)
MGT 420 Policy and Strategy: Case Studies (3)

Minimum Major Credit Hours 42

Experiential Learning

*MGT 377 Field Experience I (3)
*MGT 477 Field Experience II (3)

Minimum Experiential Credit Hours 6

Major Electives or Concentration Area Courses 9 credit hours from the following:

MGT 230 Human Resource Management (3)
MGT 310 Marketing Management and Strategy (3)
MGT 320 Organizational Leadership (3)
MGT 400 Financial Planning (3)

Minimum Major Electives Credit Hours (9)

Liberal Arts and Sciences Courses

ENG 205 Introduction to Literature or
ENG 215 Survey of World Literature (3)
ENG 260 Business and Professional Writing (3)
***MAT 114 Intermediate Algebra (3)

PHI 300 Ethics (3)

PSY 100 Introduction to Psychology (3)

Liberal Arts and Sciences Elective (3)

Minimum Liberal Arts and Sciences Credit Hours 18

Free Elective Component 9 credit hours

(May include any College course)

Breadth electives - 6 credit hours at least two (2) courses (minimum 300 level) from those housed

in the Business program

Total 120 credit hours

*For students with significant business experience, the department offers several options in fulfilling the field experience requirements. Information on these options and waiver applications may be obtained from the Field Experience Coordinator. Waiver applications must be filed at least one semester before implementation according to the following schedule: October 1 for the following Spring semester; March 1 for the following Fall semester.

**Required of first-year students; all other students must substitute a 300/400 level Liberal Arts and Sciences Elective.

***Students who meet the math competency must substitute a 300/400 level Liberal Arts and Sciences Elective.

BUSINESS ADMINISTRATION WITH MANAGEMENT INFORMATION SYSTEMS CONCENTRATION

Program Description

The Business Administration curriculum is designed to provide the student with the practical, as well as the theoretical knowledge and learning experiences required to be successful in a business environment. The goal of the program is to give students the ability to recognize and capitalize on business opportunities by harnessing the business and economic resources available to them.

Information systems support a wide range of business organizational functions. In addition to supporting decision making, coordination, and control, information systems help managers and workers analyze problems, visualize complex subjects, and develop an innovative vision that helps to shape the future of their organizations. The purpose of the Management Information Systems Concentration is to give students insight into how management, technology, and organizational elements work together to provide solutions to organizational problems and to translate them into competitive advantages. In order to help students recognize the potential impact of information technology on competitive strategy and organizational operations, the curriculum maintains a practitioner-focus. Specific emphasis is placed on the organizational and management nature of information systems and their power to provide solutions to challenges and problems in the business environment. The primary goal of the program is to equip managers and future managers to think creatively about the use of information technology. As part of the major requirements each student takes courses in accounting, management, marketing, finance, and law. The field experience requirement gives students the opportunity for "hands-on" experience applying what has been learned in the classroom to real business situations. Credits for work/life experience can also be earned by students who have had appropriate previous experience in related areas.

The liberal arts and sciences portion of the degree seeks to provide a solid foundation in the humanities and social sciences as well as a background in mathematics and science.

All Business majors should complete 100-level business courses, ENG 110, ENG 200, SPE 130, ECO 200, and ECO 201 during their first two years at Medaille.

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Business majors are expected to attend all classes. Students are responsible for all material covered and for any announcements made in any class session whether the student is present or not. Majors in this program may not take any business course Pass/Fail. A 2.0 cumulative grade point average (GPA) is required of all Business majors in their core and elective business courses to graduate.

Credit Distribution

Bachelor of Science

General Education Core

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

**GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

MAT 115 Pre-Calculus (3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education Credit Hours 30

Major Requirements

ACC 101 Financial Accounting (3)

ACC 102 Managerial Accounting (3)

ECO 200 Macroeconomics (3)

ECO 201 Microeconomics (3)

MGT 175 Management Concept and Communication (3)

MGT 220 Principles of Marketing (3)

MGT 299 Business Law I (3)

MGT 302 Operations Management (3)

MGT 335 Organizational Behavior (3)

MGT 340 Financial Management (3)

MGT 420 Policy and Strategy: Case Studies (3)

MIS 240 Management Information Systems (3)

Minimum Major Credit Hours 39

Experiential Learning

*MIS 377 Field Experience I (3)

*MGT477 Field Experience II (3)

Minimum Experiential Credit Hours (6)

Concentration Area Courses

MIS 300 Database Development

MIS 330 Data Communication and Networks

MIS 335 Business Data Analysis & Decision Making

MIS 400 System Analysis & Design

Minimum Major Electives Credit Hours (12)

Liberal Arts and Sciences Courses

ENG 205 Introduction to Literature or

ENG 215 Survey of World Literature (3)

ENG 260 Business and Professional Writing (3)

***MAT 114 Intermediate Algebra (3)

PHI 300 Ethics (3)

PSY 100 Introduction to Psychology (3)

Liberal Arts and Sciences Elective (3)

Minimum Liberal Arts and Sciences Credit Hours 21

Breadth electives - 6 credit hours at least two (2) courses (minimum 300 level) from those housed in the Business program

Free Elective Component 6 credit hours

(May include any College course)

Total 120 credit hours

*For students with significant business experience, the department offers several options in fulfilling the field experience requirements. Information on these options and waiver applications may be obtained from the Field Experience Coordinator. Waiver applications must be filed at least one semester before implementation according to the following schedule: October 1 for the following Spring semester; March 1 for the following Fall semester.

**Required of first-year students; all other students must substitute a 300/400 level Liberal Arts and Sciences Elective.

***Students who meet the math competency must substitute a 300/400 level Liberal Arts and Sciences Elective.

COMMUNICATION

Program Description

The Communication program provides a career-oriented program designed to give the student broad practical and theoretical knowledge of various aspects of communication, television, radio, newspaper, advertising, public relations and digital multimedia.

Courses in Communication, which include experiences of a practical nature, begin in the freshman year to provide the student immediate exposure to communication processes. Field experiences, permitting the student to observe and work in a chosen communications medium, begin early in the program. They allow students to explore media settings, develop skills, and make contacts that are critical to success in this industry. By the senior year the student may reach and maintain a clear, independent focus on the practical art of communication through the mass media and his/her role in that process.

In addition, the Communication student is given the opportunity to acquire a comprehensive

liberal arts background. While enriching his/her specialized program, this may provide the student with a humanistic perspective for the evaluation of his/her role in relation to society and assist toward mutual improvement of self and society.

Communication majors may not take any Career Component course Pass/Fail.

All Communication majors should complete 100-level Communication courses, writing courses (ENG 110 and ENG 200) and SPE 130 during their first year at Medaille. It is also important to complete as many other required 100-level courses as possible in the first two years.

Students may not go out on field experiences (COM 277, COM 377, COM 388, COM 477) unless their average is 2.5 or better, and unless they have all prerequisite courses completed, as stated in the catalog.

The Communication Department operates and maintains the College radio lab and television studio.

Medaille's on-campus radio lab offers students an opportunity to learn production, news, and on-air techniques. The student staff is responsible for all aspects of operating a radio station from programming to final product. The campus radio lab is now online at www.medaille.edu/wmcb. The TV studio allows students to learn various aspects of broadcast production from computer graphics to directing and editing a television program. Students produce their own show, "Medaille Magazine," which airs on local cable systems on public access. Hands-on experience at the production facility is encouraged. The television studio is equipped with all digital, state of the art High Definition equipment.

Credit Distribution

Bachelor of Science

Major Requirements

General Education Component

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

*GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

**MAT 114 Intermediate Algebra (3)

MAT 201 Statistics and Society (3)

SPE 130 Fundamentals of Public Speaking (3)

General Education Credit Hours 33

Coursework (40 Credit Hours)

COM 101 Introduction to Mass Communications (3)

COM 110 Journalism: Organization and Practice (3)

COM 130 Broadcasting: Principles and Practice (3)

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COM 150 Media Promotion: Organization and Practice (3)

COM 210 Computer Assisted Reporting (3)

COM 211 Writing for Media (3)

COM 300 Mass Communication Theory (3)

COM 355 The Theory of Media Criticism (3)

COM 400 Media Communications Law and Ethics (3)

COM 475 Media and Society Seminar (3)

COM (Any) Communication Elective (3)

COM (300/400 level) Communication Elective (3)

MMS 200 Fundamentals of Multimedia (4)

Field Experience (11 Credit Hours)

COM 277 Field Experience I (3)

COM 377 Field Experience II (3)

COM 477 Field Experience III (5)

Minimum Career Credit Hours 51

Liberal Arts and Sciences Courses (24 Credit Hours)

Liberal Arts and Science elective (3)

PHI 200 Logic (3)

PSY 100 Introduction to Psychology (3)

SOC 100 Introduction to Sociology (3)

SPE 315 Advanced Public Speaking (3)

Electives (9 Credit Hours)

ECO (any) (3)

ENG 205 or ENG 215 (3)

HIS (Any) History Elective (3)

Free Elective Component (12)

(May include any College course)

Total 120 credit hours

*Required of first-year students; all other students must substitute a 300/400 level Liberal Arts and Sciences Elective.

**Students who meet the math competency must substitute a Liberal Arts and Sciences Elective.

CRIMINAL JUSTICE

Program Description

Concentration in Computer Crimes Investigation

The Bachelor of Science degree in Criminal Justice, which can be completed by attending the College's day or evening program, provides rigorous training to students desiring a career in law enforcement, or those eventually obtaining a graduate degree. The College's goal is to produce graduates who, having been trained in procedures and law by working professionals, are ready to embark on promising and expanding careers in law enforcement agencies.

The Criminal Justice program focuses on criminal law and criminal procedure. The curriculum requires 120 credit hours and consists of a 37 credit core of courses enabling students to explore, in depth, the many procedures, agencies, and personnel involved as a person moves through the criminal justice system. In addition, the program provides the opportunity for students to participate in hands-on internship positions, creating exposure to actual job conditions and experiences.

The program also articulates with two-year degree programs in criminal justice in the Western New York area by accepting, as transfers, credits from these programs. Another unique feature of the program is the twelve-credit Elective Study Area Component that allows students to explore courses in any area that is of interest to them and relevant to their career goals, such as business, human services, or social science.

Medaille's Criminal Justice program was designed to make the most of a student's previous College transfer credits. In addition, the College recognizes the educational value of and awards credit for many types of life experience related to our degree programs. Law enforcement personnel returning for this degree may apply for Challenge Exams for various courses that relate to their occupation.

The College stresses the importance of gaining work experience that is related to a student's major program of study. In the Criminal Justice program, students have the opportunity to fulfill six credit hours worth of hands-on learning through field experiences. This aspect of a student's education involves spending up to 120 hours in the field. As a Criminal Justice major, you may find experience opportunities in law enforcement agencies, public defenders offices, private security firms, and pretrial services.

Credit Distribution

Bachelor of Science Credit Hours

General Education Component

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

**GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

*MAT 114 Intermediate Algebra (3)

MAT 201 Statistics and Society (3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education Credit Hours 30

Career Component

CRJ 101 Introduction to Criminal Justice (3)

CRJ 160 Crime and Society (3)

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CRJ 170 Law Enforcement Ethics (3)
CRJ 201 Introduction to Criminal Law (3)
CRJ 240 Criminal Courts and Procedures (3)
CRJ 250 Social Issues in Policing a Multicultural Community (3)
CRJ 301 Criminal Investigation I (3)
CRJ 303 Criminal Investigation I Lab (1)
CRJ 340 Corrections (3)
CRJ 350 Community Policing (3)
CRJ 420 Senior Seminar/Topics (3)
CRJ 377 Field Experience I (3)
CRJ 477 Field Experience II (3)
Minimum Career Credit Hours: 37
Elective Study Area Component (12)
Physical Education Component
PED (Any) Physical Education Electives (2)
Liberal Arts and Sciences Component
PHI 300 Ethics (3)
PSY 100 Introduction to Psychology (3)
SOC 100 Introduction to Sociology (3)
Any U.S. History or Political Science Course (3)
Social Sciences Elective (6)
(May include any APY, CRJ, ECO, GEO, HIS, POL, PSY, SSC, SOC course)
Liberal Arts and Sciences Electives (6)
(May include any APY, ART, BIO, CHE, CRJ, ECO, ENG, FRE, GEN, GEO, HIS, HUM, LNG, MAT, MMS, PHI, PHY, POL, PSY, RDG, SSC, SOC, SPA, SPE, THE course)
Free Elective Component (12)
(May include any College course)
Total 120 credit hours

*Required of first-year students; all other students must substitute a Liberal Arts and Sciences Elective.

**Students who meet the math competency must substitute a Free Elective.

Criminal Justice Concentration

Computer Crimes Investigation (15 credit hours)

CIS 115 Computer Applications (3)

CRJ 180 Introduction to Personal Computers and Their Operating Systems for Computer Crime Investigations (3)

CRJ 280 Computer Forensics: Electronic Media as Evidence (3)

CRJ 380 Computer Crime Investigation: Evidence, Law, and Investigative Techniques (3)

CRJ 480 Computer Crime Investigation: Computer Networks and the Internet (3)

EDUCATION: MIDDLE CHILDHOOD (5-9)

Concentrations in English, Science (Biology) or Social Sciences

Note: no longer accepting new students. Students currently enrolled in this program have until June 30, 2013 to complete the degree requirements.

Program Description

The Education: Middle Childhood (5-9) program is divided into two components: career exploration through professional education and the liberal arts and sciences. The professional education component prepares students to function in the contemporary educational system by becoming agents of responsible change. The curriculum explores the current career opportunities for educators while providing a series of rich field-based learning experiences. The program also provides balance by requiring a broad liberal arts and sciences foundation through the College-wide general education core experiences, the liberal arts component, and the completion of a concentration in English, Science, or Social Science. The liberal arts and science courses are designed to offer content-rich experiences that provide the middle childhood teacher with both depth and breadth.

While continuing work in the liberal arts and sciences, the student has an opportunity to be involved in teaching and decision making in middle-level classroom situations through simulation and by direct field experience. In the freshman year, a student participates in field observations to develop an awareness of cultural and academic backgrounds of middle school age children as preparation for the teaching profession. In the sophomore, junior, and senior years, further experiences in working with children of middle school age including traditional student teaching make the academic program more relevant and meaningful. The professional component provides for the student's personal and social growth through awareness of community needs and an opportunity to respond to them. In a wide range of situations, students explore the educational process in increasingly greater depth through the study of basic principles relating to the nature of the learner and the learning process.

All students working toward New York State Certification Middle Childhood Generalist 5-9 will become involved in the professional, field-centered education component. The program provides for completion of a campus-based course of study, pre-student-teaching experiences, and two classroom student teaching situations. Education majors are required to take the New York State Teacher Certification Exams (NYSTCE) as a prerequisite for New York State Certification.

As a requirement for graduation, all students receiving a Bachelor of Science in Education degree must attain a minimum 2.50 cumulative average. If a student performs below the acceptable standard, he/she will need to take and/or retake the course(s) designated to improve weak areas and pass the course(s) with a grade of C or better.

Credit Distribution

All students majoring in Middle Childhood Education, regardless of subject area concentration, take the following set of common core education requirements:

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Education Component

Course Work (36 Credits)

EDU 110 Introduction to Education (3)

EDU 223 Educational Psychology (3)

EDU 234 The Adolescent Reader & Literacy (3)

EDU 235 Children's Literature (3)

EDU 340 Child Abuse, Drug Awareness, School Violence, and Other Current Issues in Education (0)

EDU 345 Middle School Child & Curriculum (3)

EDU 350 Education Methods and Materials: Creative Arts (1)

EDU 351 Education Methods and Materials: Generic Core (3)

EDU 352 Education Methods and Materials: Language Arts (2)

EDU 353 Education Methods and Materials: Mathematics (2)

EDU 354 Education Methods and Materials: Science (2)

EDU 355 Education Methods and Materials: Social Studies (2)

EDU 465 Content Area Literacy (3)

EDU 469 Foundations of Education (3)

ESP 230 Introduction to Special Education (3)

Experiential Learning (15 Credits)

EDU 377 Junior Participation & Seminars (3)

EDU 477 Student Teaching/Seminar: Career and Occupational Studies (12)

Minimum Education Credit Hours 51

Bachelor of Science in Education Credit Distribution

Education: Middle Childhood (5-9) Hours with a Concentration in English

Computer Information Systems Component

CIS 155 Computer Applications in Early Childhood and Childhood Education (3)

General Education Component

ENG 110 College Writing II

ENG 200 Analytical Writing

*GEN 110 Introduction to Critical Thought

GEN 220 A Global Perspective on Colonial North America

GEN 230 Creative Expression

GEN 240 Scientific Discovery

GEN 410 Baccalaureate Capstone I

GEN 411 Baccalaureate Capstone II

**MAT 114 Intermediate Algebra

MAT 125 Concepts in Mathematics

SPE 130 Fundamentals Of Public Speaking

Minimum General Education Credit Hours 33

Liberal Arts and Sciences Component

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Foreign Language I (3)
Foreign Language II (3)
HIS 140 Early United States History (3)
PHY 104 Physical Science (3)
PSY 100 Introduction to Psychology (3)
PSY 210 Child Development (3)
PSY 240 Adolescence (3)
Minimum Liberal Arts and Sciences Credit Hours 21
English Concentration Required Credits 24
ENG 205 Introduction to Literature (3)
ENG 210 Introduction to Creative Writing (3)
ENG 215 Survey of World Literature (3)
ENG 305 British Literature: Middle Ages - 18th Century(3)
ENG 315 British Literature: Late 18th C- 20th Century (3)
ENG 325 American Literature: Colonial- Civil War (3)
ENG 335 American Literature: Civil War - 20th C (3)
ENG 365 Ethnic Literature in America (3)
Electives (choose 1) (3 Credits)
ENG 355 Major Literary Forms (3)
ENG 435 Major Literary Figures (3)
Electives (choose 1) (3 Credits)
ENG 405 Themes/Topics in American Literature
ENG 415 Themes/Topics in British Literature
ENG 425 Themes/Topics in World Literature
ENG 300 Fiction or 310 Poetry or 320 Drama (3)
Minimum Concentration Credits 30
Total 139 credit hours

*Required of first-year students; all other students must substitute a Free Elective.

**Students who meet the math competency must substitute MAT 201, Statistics and Society.

Bachelor of Science in Education Credit Distribution

Education: Middle Childhood (5-9) Hours with a Concentration in Science (Biology)

Computer Information Systems Component

CIS 155 Computer Applications in Early Childhood and Childhood Education (3)

General Education Component

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

*GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 410 Baccalaureate Capstone I (3)

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GEN 411 Baccalaureate Capstone II (3)
**MAT 114 Intermediate Algebra (3)
MAT 125 Concepts in Mathematics (3)
SPE 130 Fundamentals of Public Speaking (3)
Minimum General Education Credit Hours 30
Liberal Arts and Sciences Component
Foreign Language I (3)
Foreign Language II (3)
HIS 140 Early United States History (3)
ENG 205 Introduction to Literature or ENG 215 Survey of World Literature (3)
PHY 104 Physical Science (3)
PSY 100 Introduction to Psychology (3)
PSY 210 Child Development (3)
PSY 240 Adolescence (3)
Minimum Liberal Arts and Sciences Credit Hours 24
Science (Biology) Concentration
BIO 120 Botany (4)
BIO 170 Comparative Anatomy and Physiology I (5)
BIO 171 Comparative Anatomy and Physiology II (5)
BIO 200 Microbiology (4)
BIO 220 Cell Biology (3)
BIO 320 Ecology (4)
BIO 330 Genetics (3)
CHE 145 Chemistry for the Health Sciences (4)
Minimum Concentration Credits 32
Total 141 credit hours

*Required of first-year students; all other students must substitute a Free Elective.

**Students who meet the math competency must substitute MAT 201, Statistics and Society.

Bachelor of Science in Education Credit Distribution
Education: Middle Childhood (5-9) Hours with a Concentration in Social Sciences
Computer Information Systems Component
CIS 155 Computer Applications in Early Childhood and Childhood Education (3)
General Education Component
ENG 110 College Writing II (3)
ENG 200 Analytical Writing (3)
*GEN 110 Introduction to Critical Thought (3)
GEN 220 A Global Perspective on Colonial North America (3)
GEN 230 Creative Expression (3)
GEN 240 Scientific Discovery (3)
GEN 410 Baccalaureate Capstone I (3)

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GEN 411 Baccalaureate Capstone II (3)
**MAT 114 Intermediate Algebra (3)
MAT 125 Concepts in Mathematics (3)
SPE 130 Fundamentals of Public Speaking (3)
Minimum General Education Credit Hours 33
Liberal Arts and Sciences Component
Foreign Language I (3)
Foreign Language II (3)
ENG 205 Introduction to Literature or ENG 215 Survey of World Literature (3)
PHY 104 Physical Science (3)
PSY 100 Introduction to Psychology (3)
PSY 210 Child Development (3)
PSY 240 Adolescence (3)
Minimum Liberal Arts and Sciences Credit Hours 21
Social Sciences Concentration
Required (24 Credits)
GEO 110 Physical Geography (3)
GEO 310 Cultural Geography (3)
HIS 100 Western Civilization (3)
HIS 101 World Cultures (3)
HIS 140 Early United States History (3)
HIS 315 History of Ethnic America (3)
HIS 401 The History of Buffalo (3)
HIS 402 The History of New York State (3)
Electives (6 credits)
ECO (Any) (3)
POL (Any) (3)
Minimum Concentration Credits 30
Total 139 credit hours

*Required of first-year students; all other students must substitute a Free Elective.

**Students who meet the math competency must substitute MAT 201, Statistics and Society.

EDUCATION: EARLY CHILDHOOD/CHILDHOOD (B-6)

The Early Childhood (B-2) and Childhood (1-6) degree will provide students with the skills they need to teach children from Birth to Sixth Grade. The School of Education at Medaille College seeks to prepare constructive thinkers for today and tomorrow's world. Our teacher candidates are taught both theoretical perspectives and practical applications of teaching to ensure that children's learning meets the New York State Learning Standards.

The students will receive a Bachelor's of Science degree with certification in both areas. This is important because it will provide our students with certification in (B-6), thus, making them more

marketable to School Districts.

This program will be rigorous in nature and provide students with multiple opportunities to engage in practical application of coursework throughout their degree program. The literacy courses and the methods courses will have instruction delivered in 2 hours blocks to allow students supervised opportunities in area schools. This program, depending on the concentration, can range from 129-134 credit hours.

Students will have to complete 150 participation/volunteer hours. 100 hours are attached to EDU 378. The additional 50 hours are attached to the foundations, literacy and methods courses. During the field experiences students will have the opportunity to develop appropriate professional skills.

Students will have 3 student teaching placements: Universal Pre-K, Primary, and Intermediate. Students will be observed twice at the first placement site and once at the second and third placement site.

The teacher candidates in this program as with the other education programs will graduate: knowing the subject matter in their certification areas; meeting the needs of diverse learners through effective pedagogy and best teaching practices; demonstrating scholarship supported by the use of technology; as caring and competent educators.

Program Goals: The teacher candidates will have experiences in:

- Contemporary Educational Practices
- Liberal Arts and Science Core
- Career Exploration
- Field Based Experiences (Pre-Student Teaching & Student Teaching)
- Personal and Social Growth
- Community Awareness
- Differentiated Instruction
- Biology, English, Math, or Social Sciences Concentration
- Diversity and Sensitivity Training
- Technology

This quality program will prepare future teachers for the Elementary Schools of tomorrow.

Concentrations in Math, English, Biology, and Social Sciences:

Concentration in Math Credit Distribution

Education Major Requirements

Course work

EDU 210 Foundations of Education (3)

EDU 223 Educational Psychology (3)

EDU 240 Literacy I (3)

EDU 241 Literacy II (3)

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EDU 242 Literacy III (3)

EDU 340 Child Abuse (0)

ESP 230 Intro to Special Education (3)

EDU 370 Language Arts & Children's Literature (3)

EDU 371 Math Methods (3)

EDU 372 Methods of Science and Technology (3)

EDU 373 Methods of Social Studies and Creative Arts (3)

EDU 466 Content Area Literacy & Children's Literature (3)

Experiential Learning

EDU 378 Junior Participation & Seminars (3)

EDU 478 Student Teaching/Seminar (12)

Minimum Education credit hours: 48

Computer Information Systems Component

CIS 155 Computer Applications in Early Childhood and Childhood Education (3)

Minimum CIS Credit Hours 3

General Education Component

ENG 110 College Writing I (3)

ENG 200 Analytical Writing (3)

GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

MAT 114 Intermediate Algebra (3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education credit hours 30

Liberal Arts and Science Component

ENG 205/ENG 215 (3)

Foreign Language I (3)

Foreign Language II (3)

HIS 140 Early United States History (3)

PHY 104 Physical Science (3)

PSY 100 Intro to Psychology (3)

PSY 210 Child Development (3)

Minimum Liberal Arts and Science credit hours 21

Math Concentration

Required

MAT 115 Pre-Calculus (3)

MAT 151 Trigonometry/Geometry (3)

MAT 182 Discrete Math (3)

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MAT 242 Linear Algebra (3)

MAT 251 Calculus I (3)

MAT 255 Number Theory (3)

MAT 381 Statistics and Probability I (3)

MAT 382 Statistics and Probability II (3)

Electives: Choose two courses (6 credits)

MAT 125 Concepts in Mathematics (3)

MAT 252 Calculus II (3)

MAT 342 Abstract Algebra (3)

PHI 201 Formal Logic (3)

Mathematics Minimum Concentrations credit hours 30

Total credits 129

Concentration in English Credit Distribution

Education Major Requirements

Course work

EDU 210 Foundations of Education (3)

EDU 223 Educational Psychology (3)

EDU 240 Literacy I (3)

EDU 241 Literacy II (3)

EDU 242 Literacy III (3)

EDU 340 Child Abuse (0)

ESP 230 Intro to Special Education (3)

EDU 370 Language Arts & Children's Literature (3)

EDU 371 Math Methods (3)

EDU 372 Methods of Science and Technology (3)

EDU 373 Methods of Social Studies and Creative Arts (3)

EDU 466 Content Area Literacy & Children's Literature (3)

Experiential Learning

EDU 378 Junior Participation & Seminars (3)

EDU 478 Student Teaching/Seminar (12)

Minimum Education credit hours: 48

Computer Information Systems Component

CIS 155 Computer Applications in Early Childhood and Childhood Education (3)

Minimum CIS Credit Hours 3

General Education Component

ENG 110 College Writing I (3)

ENG 200 Analytical Writing (3)

GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 240 Scientific Discovery (3)

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GEN 410 Baccalaureate Capstone I (3)
GEN 411 Baccalaureate Capstone II (3)
MAT 114 Intermediate Algebra (3)
MAT 125 Concepts in Mathematics (3)
SPE 130 Fundamentals of Public Speaking (3)
Minimum General Education credit hours 30
Liberal Arts and Science Component
Foreign Language I (3)
Foreign Language II (3)
HIS 140 Early United States History (3)
PHY 104 Physical Science (3)
PSY 100 Intro to Psychology (3)
PSY 210 Child Development (3)
Minimum Liberal Arts and Science credit hours 18

English Concentration

Required Courses

ENG 205 Intro to Literature (3)
ENG 210 Creative Writing (3)
ENG 215 Survey of World Literature (3)
ENG 305 British Lit I (3)
ENG 315 British Lit II (3)
ENG 325 American Lit I (3)
ENG 335 American Lit II (3)
ENG 365 Ethnic Lit in America (3)
Electives: choose one of the following (3 credits): ENG 355 Major Literary Forms (3)
ENG 435 Major Literary Figures (3)
Choose one of the following (3 credits):
ENG 405 Themes/Topics in American Lit (3)
ENG 415 Themes/Topics in British Lit (3)
ENG 425 Themes/Topics in World Lit (3)
Minimum Concentrations Credit Hours 30
Total Credits 129

Concentration in Biology Credit Distribution

Education Major Requirements

Course work

EDU 210 Foundations of Education (3)
EDU 223 Educational Psychology (3)
EDU 240 Literacy I (3)
EDU 241 Literacy II (3)
EDU 242 Literacy III (3)

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EDU 340 Child Abuse (0)
ESP 230 Intro to Special Education (3)
EDU 370 Language Arts & Children's Literature (3)
EDU 371 Math Methods (3)
EDU 372 Methods of Science and Technology (3)
EDU 373 Methods of Social Studies and Creative Arts (3)
EDU 466 Content Area Literacy & Children's Literature (3)
Experiential Learning
EDU 378 Junior Participation & Seminars (3)
EDU 478 Student Teaching/Seminar (12)
Minimum Education credit hours: 48
Computer Information Systems Component
CIS 155 Computer Applications in Early Childhood and Childhood Education (3)
Minimum CIS Credit Hours 3
General Education Component
ENG 110 College Writing I (3)
ENG 200 Analytical Writing (3)
GEN 110 Introduction to Critical Thought (3)
GEN 220 A Global Perspective on Colonial North America (3)
GEN 230 Creative Expression (3)
GEN 410 Baccalaureate Capstone I (3)
GEN 411 Baccalaureate Capstone II (3)
MAT 114 Intermediate Algebra (3)
MAT 125 Concepts in Mathematics (3)
SPE 130 Fundamentals of Public Speaking (3)
Minimum General Education credit hours 30
Liberal Arts and Science Component
ENG 205/ENG 215 (3)
Foreign Language I (3)
Foreign Language II (3)
HIS 140 Early United States History (3)
PHY 104 Physical Science (3)
PSY 100 Intro to Psychology (3)
PSY 210 Child Development (3)
Minimum Liberal Arts and Science credit hours 21

Biology Concentration
BIO 120 Botany (4)
BIO 170 Comp Anat & Phy (5)
BIO 171 Comp Anat & PHY (5)
BIO 200 Microbiology (4)

BIO 220 Cell Biology
BIO 320 Ecology (4)
BIO 330 Genetics
CHE 145 Chem for Health Sci (4)
Minimum Concentration credit hours 32
Total credits 134

Concentration in Social Studies Credit Distribution

Education Major Requirements

Course work

EDU 210 Foundations of Education (3)
EDU 223 Educational Psychology (3)
EDU 240 Literacy I (3)
EDU 241 Literacy II (3)
EDU 242 Literacy III (3)
EDU 340 Child Abuse (0)
ESP 230 Intro to Special Education (3)
EDU 370 Language Arts & Children's Literature (3)
EDU 371 Math Methods (3)
EDU 372 Methods of Science and Technology (3)
EDU 373 Methods of Social Studies and Creative Arts (3)
EDU 466 Content Area Literacy & Children's Literature (3)

Experiential Learning

EDU 378 Junior Participation & Seminars (3)
EDU 478 Student Teaching/Seminar (12)

Minimum Education credit hours: 48

Computer Information Systems Component

CIS 155 Computer Applications in Early Childhood and Childhood Education (3)

Minimum CIS Credit Hours 3

General Education Component

ENG 110 College Writing I (3)
ENG 200 Analytical Writing (3)
GEN 110 Introduction to Critical Thought (3)
GEN 230 Creative Expression (3)
GEN 240 Scientific Discovery (3)
GEN 410 Baccalaureate Capstone I (3)
GEN 411 Baccalaureate Capstone II (3)
MAT 114 Intermediate Algebra (3)
MAT 125 Concepts in Mathematics (3)
SPE 130 Fundamentals of Public Speaking (3)
Minimum General Education credit hours 30

Liberal Arts and Science Component

ENG 205/ENG 215 (3)

Foreign Language I (3)

Foreign Language II (3)

PHY 104 Physical Science (3)

PSY 100 Intro to Psychology (3)

PSY 210 Child Development (3)

Minimum Liberal Arts and Science credit hours 18

Social Studies Concentration

Required

GEO 111 Physical Geography (3)

GEO 310 Cultural geography (3)

HIS 100 Western Civilization (3)

HIS 101 World Cultures (3)

HIS 140 Early United States (3)

HIS 315 History of Ethnic America (3)

HIS 401 The History of Buffalo (3)

HIS 402 History of New York State (3)

Electives (6 credits)

ECO (any)

POL (Any)

Minimum Concentration credit hours 30

Total credits 129

ELEMENTARY EDUCATION: CHILDHOOD (1-6)

Program Description

Concentrations in English, Science (Biology), or Social Sciences

The Elementary Education: Childhood (1-6) program is divided into two components: career exploration through professional education and the liberal arts and sciences. The professional education component prepares students to function in the contemporary educational system by becoming agents of responsible change. The curriculum explores the current career opportunities for educators while providing a series of rich field-based learning experiences. The program also provides balance by requiring a broad liberal arts and sciences foundation through the College-wide general education core experiences, the liberal arts component, and the completion of a concentration in English, Science, or Social Science. The liberal arts and science courses are designed to offer content-rich experiences that provide the childhood teacher with both depth and breadth.

While continuing work in the liberal arts and sciences, the student has an opportunity to be involved in teaching and decision making in elementary classroom situations through simulation and direct field experience. In the freshman year, a student participates in field observations to

develop an awareness of cultural and academic backgrounds of school age children as preparation for the teaching profession. In the sophomore, junior, and senior years, further experiences in working with children of school age, including traditional student teaching, make the academic program more relevant and meaningful. The professional component provides for the student's personal and social growth through awareness of community needs and an opportunity to respond to them. In a wide range of situations, students explore the educational process in increasingly greater depth through the study of basic principles relating to the nature of the learner and the learning process.

All students working toward New York State Certification Childhood Generalist 1-6 will become involved in the professional, field-centered curriculum education. The program provides for completion of a campus-based course of study, pre-student-teaching experiences, and two classroom student teaching situations. Education majors are required to take the New York State Teacher Certification Exams (NYSTCE) as a prerequisite for New York State Certification.

As a requirement for graduation, all students receiving a Bachelor of Science in Education degree must attain a minimum 2.50 cumulative average. If a student performs below the acceptable standard, he/she will need to take and/or retake the course(s) designated to improve weak areas and pass the course(s) with a grade of C or better.

Elementary Education: Placement Rate, % Employed, Further Education

2004: 89%, 89%, 50%

2003: 100%, 100%, 50%

2002: 94%, 88%, 65%

2001: 88%, 88%, 65%

Credit Distribution

All students majoring in elementary education, regardless of subject area concentration, take the following set of common core education courses.

Education Component

Course Work (36 credits)

EDU 110 Introduction to Education (3)

EDU 223 Educational Psychology (3)

EDU 232 Basic Concepts of Literacy I (3)

EDU 233 Basic Concepts of Literacy II (3)

EDU 235 Children's Literature (3)

EDU 340 Child Abuse, Drug Awareness, School Violence, and Other Current Issues in Education (0)

EDU 350 Education Methods and Materials: Creative Arts (1)

EDU 351 Education Methods and Materials: Generic Core (3)

EDU 352 Education Methods and Materials: Language Arts (2)

EDU 353 Education Methods and Materials: Mathematics (2)

EDU 354 Education Methods and Materials: Science (2)

EDU 355 Education Methods and Materials: Social Studies (2)

EDU 465 Content Area Literacy (3)

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EDU 469 Foundations of Education (3)
ESP 230 Introduction to Special Education (3)
Experiential Learning (15 Credits)
EDU 377 Junior Participation & Seminars (3)
EDU 477 Student Teaching /Seminar: Career and Occupational Studies (12)
Minimum Education Credit Hours 51

Bachelor of Science in Education Credit Distribution
Elementary Education: Childhood (1-6) Hours with a Concentration in English
Computer Information Systems Component
CIS 155 Computer Applications in Early Childhood and Childhood Education (3)
General Education Component
ENG 110 College Writing II
ENG 200 Analytical Writing
*GEN 110 Introduction to Critical Thought
GEN 220 A Global Perspective on Colonial North America
GEN 230 Creative Expression
GEN 240 Scientific Discovery
GEN 410 Baccalaureate Capstone I
GEN 411 Baccalaureate Capstone II
**MAT 114 Intermediate Algebra
MAT 125 Concepts in Mathematics
SPE 130 Fundamentals of Public Speaking
Minimum General Education Credit Hours 33
Liberal Arts and Sciences Component
Foreign Language I (3)
Foreign Language II (3)
HIS 140 Early United States History (3)
PHY 104 Physical Science (3)
PSY 100 Introduction to Psychology (3)
PSY 210 Child Development (3)
Minimum Liberal Arts and Sciences Credit Hours 18
English Concentration
Required Credits 24
ENG 205 Introduction to Literature (3)
ENG 210 Introduction to Creative Writing (3)
ENG 215 Survey of World Literature (3)
ENG 305 British Literature: Middle Ages - 18th Century(3)
ENG 315 British Literature: Late 18th C- 20th Century (3)
ENG 325 American Literature: Colonial- Civil War (3)
ENG 335 American Literature: Civil War - 20th C (3)

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ENG 365 Ethnic Literature in America (3)
Electives (choose 1) (3 Credits)
ENG 355 Major Literary Forms (3)
ENG 435 Major Literary Figures (3)
Electives (choose 1) (3 Credits)
ENG 405 Themes/Topics in American Literature
ENG 415 Themes/Topics in British Literature
ENG 425 Themes/Topics in World Literature
ENG 300 Fiction or 310 Poetry or 320 Drama (3)
Minimum Concentration Credits 30
Total 136 credit hours

*Required of first-year students; all other students must substitute a Free Elective.

**Students who meet the math competency must substitute MAT 201, Statistics and Society.

Bachelor of Science in Education Credit Distribution

Elementary Education: Childhood (1-6) Hours with a Concentration in Science (Biology)

Computer Information Systems Component

CIS 155 Computer Applications in Early Childhood and Childhood Education (3)

General Education Component

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

*GEN 110 Introduction to Critical Thought(3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

**MAT 114 Intermediate Algebra (3)

MAT 125 Concepts in Mathematics (3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education Credit Hours 30

Liberal Arts and Sciences Component

Foreign Language I (3)

Foreign Language II (3)

HIS 140 Early United States History (3)

ENG 205 Introduction to Literature or ENG 215 Survey of World Literature (3)

PHY 104 Physical Science (3)

PSY 100 Introduction to Psychology (3)

PSY 210 Child Development (3)

Minimum Liberal Arts and Sciences Credit Hours 21

Science (Biology) Concentration

BIO 120 Botany (4)

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BIO 170 Comparative Anatomy and Physiology I (5)
BIO 171 Comparative Anatomy and Physiology II (5)
BIO 200 Microbiology (4)
BIO 220 Cell Biology (3)
BIO 320 Ecology (4)
BIO 330 Genetics (3)
CHE 145 Chemistry for the Health Sciences (4)
Minimum Concentration Credits 32
Total 138 credit hours

*Required of first-year students; all other students must substitute a Free Elective.

**Students who meet the math competency must substitute MAT 201, Statistics and Society.

Bachelor of Science in Education Credit Distribution

Elementary Education: Childhood (1-6) Hours with a Concentration in Social Sciences

Computer Information Systems Component

CIS 155 Computer Applications in Early Childhood and Childhood Education (3)

General Education Component

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

*GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

**MAT 114 Intermediate Algebra (3)

MAT 125 Concepts in Mathematics (3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education Credit Hours 33

Liberal Arts and Sciences Component

Foreign Language I (3)

Foreign Language II (3)

ENG 205 Introduction to Literature or ENG 215 Survey of World Literature (3)

PHY 104 Physical Science (3)

PSY 100 Introduction to Psychology (3)

PSY 210 Child Development (3)

Minimum Liberal Arts and Sciences Credit Hours 18

Social Sciences Concentration

Required (24 Credits)

GEO 110 Physical Geography (3)

GEO 310 Cultural Geography (3)

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HIS 100 Western Civilization (3)
HIS 101 World Cultures (3)
HIS 140 Early United States History (3)
HIS 315 History of Ethinc America (3)
HIS 401 The of History of Buffalo (3)
HIS 402 The History of New York State (3)
Electives (6 credits)
ECO (Any) (3)
POL (Any) (3)
Minimum Concentration Credits 30
Total 136 credit hours

*Required of first-year students; all other students must substitute a Free Elective.

**Students who meet the math competency must substitute MAT 201, Statistics and Society.

ENGLISH

Program Description

Concentrations in Creative Writing and Professional Writing

The study of English provides students with the opportunity to explore the centrality of written expression in understanding and giving meaning to human experience. Through dynamic and multifaceted investigations of the immense creative possibilities of language, students who major in English develop clarity of thought, precise writing and speaking skills, informed critical judgment, and a keen awareness of the power of language to shape personal and social relations. The development of these competencies provides excellent preparation for careers in teaching, law, business and management, government, publishing, technical writing, journalism, writing for media, public relations, library science, and many other areas of professional and creative endeavor. Additionally, the English major is ideal preparation for law or graduate school. Students majoring in English develop a strong foundation in (1) the historical development of American and British literature; (2) the major genres of literary expression – prose, poetry, and drama; (3) the principal critical-theoretical approaches to reading and writing; and (4) the practice of writing in a variety of contexts. Students also are exposed to literature outside of the American and British traditions, as well as to other forms of expression – for example, art, philosophy, theater, music – that make up the Humanities. In addition, English majors have the opportunity to work as interns with local businesses and non-profit organizations. This field experience allows students to apply the knowledge, skills, and values that they have learned in a professional setting.

Students who complete the program earn a Bachelor of Arts in English. Students who have a particular interest in the craft of writing can tailor their curriculum to combine their Bachelor of Arts in English with a formal concentration in either Creative Writing or Professional Writing. While all English majors gain a broad grounding as mature writers in a variety of genres and contexts, students who choose one of these formal concentrations extend their learning to

develop a thorough understanding of writing as a complex, rigorous discipline of study in its own right. All English majors, but especially those who choose a concentration in Creative or Professional Writing, benefit from one-on-one interactions with faculty who are themselves published writers of literary criticism, poetry, fiction, or multimedia. They also benefit from a number of extracurricular opportunities, such as The Write Thing Reading Series, which allows students to interact with nationally and internationally acclaimed writers in an intimate setting.

Credit Distribution

Bachelor of Arts/B.A. in English

English Core

ENG 205 Intro. to Literature (3)

ENG 210 Intro. to Creative Writing (3) (substitutes for GEN 230)

ENG 215 Intro. to World Literature (3)

ENG 305 British Lit.: Middle Ages to the Eighteenth Century (3)

ENG 315 British Lit.: Late Eighteenth Century through the Twentieth Century (3)

ENG 325 American Lit.: Colonial to the Civil War (3)

ENG 335 American Lit.: Civil War through the Twentieth Century (3)

ENG 365 Ethnic Literature in America (3)

ENG 435 Major Literary Figures(3)

ENG 460 Literary Theory & Criticism: English Seminar (3)

Minimum English Core Credit Hours: 30

English Electives

Choose one (1) of the following:

ENG 300 Fiction Workshop (3)

ENG 310 Poetry Workshop (3)

ENG 320 Drama Workshop (3)

ENG 477 English Field Experience (3)

Choose two (2) of the following:

ENG 345 Film Art and Appreciation (3)

ENG 355 Major Literary Forms (3)

ENG 405 Themes and Topics in American Literature (3)

ENG 415 Themes and Topics in British Literature (3)

ENG 425 Themes and Topics in World Literature (3)

Minimum English Elective Credit Hours 9|

General Education Requirements

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone (3)

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GEN 411 Baccalaureate Capstone II (3)

MAT 114 Intermediate Algebra or above as determined by placement test (3)

MAT 201 Statistics and Society(3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education Credit Hours 30

Liberal Arts and Sciences

FRE 101 Elementary French I or SPA 101 Elementary Spanish I (3)

FRE 102 Elementary French II or SPA 102 Elementary Spanish II (3)

HUM 300 Literature and the Arts (3)

PHI 170 Issues in Philosophy (3)

PHI 200 Logic (3)

Minimum Liberal Arts and Sciences

Credit Hours 15

Liberal Arts and Sciences Electives

Choose two (2) 100-200 level courses from the following: Any APY, ART, BIO, CHE, ECO, ENG, GEO, HIS, HUM, LNG, MAT, MMS, MUS, PHI, PHY, POL, PSY, SSC, SOC, THE

Choose three (3) 300-400 level courses from the following: Any APY, ART, BIO, CHE, ECO, ENG, GEO, HIS, HUM, LNG, MAT, MMS, MUS, PHI, PHY, POL, PSY,SSC, SOC, THE

Minimum Liberal Arts and Sciences

Elective Credit Hours 15

Free Elective Component

Any College Course 21

Total Credit Hours for B.A. in English 120

¹ Electives must be chosen in consultation with the Department Chair and/or appropriate Program Director.

² English majors who choose to pursue a formal concentration (below) in either Creative Writing or Professional Writing will use twelve (12) of their free elective credits to fulfill the concentration requirements. As with all elective credits, majors must consult with the Department Chair and/or appropriate Program Director before scheduling any elective credits.

Creative Writing Concentration

ENG 330 Prelude Practicum I & II

ENG 400 Senior Portfolio

Choose two (2) of the following :6

ENG 300 Fiction Workshop

ENG 310 Poetry Workshop

ENG 320 Drama Workshop

ENG 498 Independent Study in Writing

Minimum Creative Writing Concentration

Credit Hours 12

Professional Writing Concentration

ENG 260 Business and Professional Writing (3)

ENG 360 Advanced Report and Proposal Writing (3)

ENG 477 English Field Experience (3)

COM 267 Basic Desktop Publishing and Graphic Design (3)

Minimum Professional Writing Concentration Credit Hours 12

LIBERAL STUDIES

A.S. in Liberal Studies/B.S. in Liberal Studies

Program Description

The Liberal Studies program is part the College's Interdisciplinary Studies Department and is based on the development of an individualized course of study by a student and his/her advisor. This approach allows students to tailor their course work to some degree in order to meet their personal interests and needs. Apart from the basic liberal arts requirements, students are free to select a major percentage of their courses within elective categories. Students are given significant responsibility for planning a coherent study program and afforded the freedom and opportunity to sample many disciplines and career areas.

Elective courses are broken into two categories:

1. Liberal arts and sciences electives which must be chosen from offerings in humanities, social sciences, multimedia, natural sciences or mathematics.
2. Free electives which may include the previous broad subject areas as well as any of Medaille's career courses and professional, technical and occupational courses transferred from two- or four-year institutions. Other non-traditional approaches to granting credit, such as Prior Learning Assessment, may also be applied toward the Liberal Studies degree.

The degree options of the Liberal Studies program allow students the opportunity to utilize prior recognized educational and professional experiences which frequently are not applicable or transferable to other degree programs. Because of the unique nature of the program, an individual interested in obtaining the Liberal Studies degree should consult with the department chairperson in order to discuss his/her educational background and to plan an educational goal. Students must work closely with their academic advisor throughout their studies to discuss course selections. It is also strongly recommended that early in the program students visit the Career Planning and Placement Office to help them identify their own personal and career goals. This goal identification is of great importance to students when selecting electives which will help them meet their needs.

Liberal Studies students may complete a specific, existing academic minor or choose to organize their electives around a central topic or theme such as American Studies. In planning their program, students may use such a central theme, for example, to organize and integrate liberal arts electives in humanities and social sciences with free electives in political science. Another example could be students interested in working in sales who might take a combination of courses in business, advertising, speech, writing, public relations and other related areas to prepare them for success in this field. Many other theme areas are possible.

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Credit Distribution

Associate in Science

General Education Component (15)

GEN 110 Introduction to Critical Thought (3)

ENG 100-110 or 110-200 Writing (6)

**MAT 114 Intermediate Algebra (3)

MAT 201 Statistics and Society (3)

Liberal Arts and Sciences Component (18)

Humanities Electives (6)

(May include any ART, DAN, ENG, FRE, HUM, MUS, PHI, SPA, SPE, THE, course)

Social Sciences Electives (6)

(May include any APY, CRJ, ECO, GEO, HIS, POL, PSY, SSC, SOC course)

Liberal Arts and Sciences Electives (6)

(May include any APY, ART, BIO, CHE, CRJ, DAN, ENG, ECO, FRE, GEN, GEO, HIS, HUM, MAT, MMS, MUS, PHI, PHY, POL, PSY, RDG, SSC, SOC, SPA, SPE, THE, WRT course)

Free Elective Component (27)

(May include any College course)

Total 60 credit hours

*Required of first-year students; all other students must substitute a Liberal Arts and Sciences Elective. Because of the limited number of elective hours required for the associate degree, the in-depth concept and theme topics are not required. However, students are encouraged to organize their electives according to their future career and educational goals. In addition, students are counseled to select courses which may later lead to a baccalaureate degree.

**Students who meet the math competency must substitute a Free Elective.

Credit Distribution

Bachelor of Science

General Education Component (33)

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

*GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

**MAT 114 Intermediate Algebra (3)

MAT 201 Statistics and Society (3)

SPE 130 Fundamentals of Public Speaking (3)

Liberal Arts and Sciences Component (36)

Designated LAS Electives

ENG 205 or 215 (3)

Choose any five courses from the following disciplines (15)

APY 100 Introduction to Anthropology

ECO 200 or ECO 201

GEO 110 Physical Geography

HIS 100 or HIS 101 or HIS 140 or HIS 150

POL 100 or POL 101

PSY 100 Introduction to Psychology

SOC 100 Introduction to Sociology

Open LAS Electives (18)

(300 or 400 level) Liberal Arts and Sciences Electives (18)

(May include any APY, ART, BIO, CHE, CRJ, DAN, ECO, ENG, FRE, GEN, GEO, HIS, HUM, MAT, MMS, MUS, PHI, PHY, POL, PSY, RDG, SSC, SOC, SPA, SPE, THE, course)

Free Elective Component (51)

Attention should be given here to include courses above the "Introductory" level. The course selection under this area may include any course for which College credit is granted; appropriateness of transfer College credit will be determined by the Registrar.

TOTAL 120 credit hours

*Required of first-year students; all other students must substitute a Free Elective.

**Students who meet the math competency must substitute a Free Elective.

MATHEMATICS

Program Description

As the world becomes increasingly complex, information skills become increasingly vital. The ability to collect relevant data, process it, and make decisions based upon the results is a common theme in industrialized society. An aspect of the Mathematics program is to provide an opportunity to enhance these information skills by covering the core areas of mathematics. Not only are these skills invaluable for graduate school and postdoctoral research in mathematics, but they also facilitate the study of physics, chemistry, biology, and computer science as well as areas of economics, finance, and psychology. The logical, statistical, and communication expertise developed in the program are valuable skills for most careers.

The Mathematics major at Medaille is designed to introduce the core areas of mathematics and their roles in more specialized fields. Students will complete a course of study anchored in analysis, algebra, and topology, which can be used to study other areas including dynamical systems and functional analysis.

Students can tailor this program to areas of science or business via free electives. Special areas in mathematics can be explored through a variety of independent study topics that are close to student and faculty interests.

There is a 36-credit core of courses that will expose students to a three part Calculus sequence along with Differential Equations, Linear Algebra, and a two part Statistics and Probability

sequence. The core courses also include the more theoretical areas of Number Theory, Abstract Algebra, Real and Complex Analysis, and Topology. The student can choose between a two semester sequence in either Chemistry or Physics to complete the science requirement. The curriculum is tailored to complement the degree program in Adolescent Teaching: Mathematics 7-12 with Special Education. Students in this degree program may also complete the Mathematics Program by taking at most 6 extra credits.

Credit Distribution

General Education Component

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expressions (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

SPE 130 Fundamentals of Public Speaking (3)

MAT 251 Calculus I (3)

MAT 381 Statistics and Probability I (3)

Minimum General Education Credit Hours 33

Mathematics Component

MAT 242 Linear Algebra (3)

MAT 252 Calculus II (3)

MAT 255 Number Theory (3)

MAT 261 Calculus III (3)

MAT 342 Abstract Algebra (3)

MAT 361 Differential Equations (3)

MAT 382 Statistics and Probability II (3)

MAT 421 Real Variables (3)

MAT 442 Complex Analysis (3)

MAT 450 Topology (3)

Mathematics Elective (choose 2) 6 Credits

MAT 151 Trigonometry/Geometry (3)

MAT 182 Discrete Math (3)

PHI 201 Formal Logic (3)

CIS 245 Intermediate Microcomputer Applications (3)

MAT 250 Operations Analysis and Modeling (3)

MAT 298 Special Topics (3)

MAT 398 Special Topics (3)

MAT 498 Independent Study in Mathematics (3)

Minimum Mathematics Credit Hours 36

Liberal Arts and Sciences Component

Humanities Elective (3)

Humanities Elective (3)

Social Science Elective (3)

Social Science Elective (3)

Science Electives 8 credits

Choose either:

PHY 200 Principles of Physics I

and

PHY 201 Principles of Physics II

OR

CHE 200 General Chemistry I

and

CHE 201 General Chemistry II

Minimum Liberal Arts and Sciences Credit Hours 20

Free Elective Component

Minimum Free Elective Credit Hours 33

Total Credit Hours 122

PSYCHOLOGY

Program Description

The Bachelor of Arts degree program in Psychology is designed to provide students with a broad-based understanding of psychology, and, through an appropriate choice of electives, the opportunity to tailor their course of study to fit their specific interests and career objectives.

The purpose of the Bachelor of Arts degree program is to provide intensive training to those students who desire a foundation for graduate work in psychology, or who choose to further their education in a graduate program in business, human services, law, or mental health. It also provides a strong preparation for careers in fields which require a knowledge of human behavior, leadership and motivation, and advanced social skills.

The Bachelor of Arts degree program consists of a 45- credit core of courses that includes 12 required credits in basic psychology, statistics, and research methods, followed by 33 credits of psychology electives.

Credit Distribution: Bachelor of Arts

General Education Component

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

*GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

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GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

**MAT 114 Intermediate Algebra (3)

MAT 201 Statistics and Society (3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education Credit Hours 30

Psychology Component

PSY 100 Introduction to Psychology (3)

PSY 207 Psychological Statistics (3)

PSY 250 Research Methods in Psychology (3)

PSY 370 Abnormal Human Behavior (3)

Psychology Electives (33)

(Choose 11 courses from the following with the following restrictions: (a) at least 8 courses or 24 credit hours must be PSY courses, and (b) at least 15 of the 24 credit hours of PSY courses must be 300/400 level): PSY 210, PSY 229, PSY 230, PSY 240, PSY 247, PSY 310, PSY 320, PSY 321, PSY 349, PSY 351, PSY 368, PSY 377, PSY 379, PSY 385

PSY 398, PSY 420, PSY 421, EDU 223, HSV 210, HSV 290, SSC 200, SOC 401)

Minimum Psychology Credit Hours 45

Liberal Arts and Sciences Courses (21)

SOC 100 Introduction to Sociology (3)

PHI 100 Nature of Man (3)

ENG 360 Advanced Report and Proposal Writing (3)

Liberal Arts and Science Electives (12)

(May include any APY, ART, BIO, CHE, CRJ, ECO, ENG, FRE, GEN, GEO, HIS, HUM, LNG, MAT, MMS, PHI, PHY, POL, PSY, RDG, SSC, SOC, SPA, SPE, THE, course. AT LEAST ONE 3 CREDIT COURSE MUST BE 300/400 LEVEL)

Free Elective Component (21)

(May include any College course)

Total 120 credit hours

*Required of first-year students; all other students must substitute a Liberal Arts and Sciences Elective.

**Students who meet the math competency must substitute a Free Elective.

Minimum Psychology Credit Hours 36

Liberal Arts and Sciences Courses (21)

PHI 300 Ethics (3)

ENG 360 Advanced Report and Proposal Writing (3)

BIO 160 Human Anatomy and Physiology I (4)

BIO 161 Human Anatomy and Physiology II (4)

BIO 330 Genetics (3)

CHE 145 Chemistry for the Health Sciences (4)

Free Elective Component (27)

(May include any College course)

Total 120 credit hours

SPORT MANAGEMENT

Program Description

Sport Management involves applying marketing and communication concepts as well as the management principles of planning, organizing, leading, and directing to the unique industry of commercial sport. Emphasis is placed on the production, facilitation, promotion, and organization of sport products and services. Because the \$500 billion sport industry demands sport communicators, marketers, administrators, and managers with a specialized combination of functional business and sport management skills, the Sport Management Bachelors Degree is intended to serve students who have a desire to be involved in any aspect of the commercial sport-related enterprise.

The Sport Management Program is actively involved in preparing students for working in the fields of sport, leisure and recreation. Faculty will promote, stimulate, and encourage study, research, scholarly writing, and professional development in the area of sport management - both theoretical and applied aspects (North American Society of Sport Management. NASSM 2006).

Medaille Sport Management now offers all courses required by New York State Education Department to obtain a New York State Coaching Certificate (Sport Specific).

Areas of focus include:

- Sport marketing, promotion, sponsorship and naming rights
- Employment perspectives, leadership, sport and the law, personnel management,
- Managing venues and events, operations, risk and security management
- Commercial development of sport and sporting properties
- Strategic, tactical and change management
- Broadcasting, media and technology
- Finance and accounting
- Globalization and international management
- Athletic Coaching and Leadership
- Analyzing the ever-changing parameters of the sport business industry

Supporting the College's mission, The Sport Management Program fosters an excellent, intellectually stimulating program that prepares students for productive careers responsive to the sport industry's employment needs. Possessing tremendous expansion potential, The Sport Management Program contributes to the College's well-known flexible delivery system. Our curriculum integrates a core of general education themes, career preparation, and learning

through experience.

We will continue to recruit and maintain student-oriented, professional faculty and staff. The faculty, in conjunction with the office of institutional advancement, will continue to seek resources for the College. The versatile curriculum will allow us to recruit and retain a motivated, qualified and diverse student body.

Utilizing the institute's various academic units and programs, all students in The Sport Management Program will work within the community to enhance quality of life and offer lifelong learning opportunities.

Credit Distribution: Bachelor of Science Credit Hours

Bachelor of Science Credit Hours

General Education Core

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240 Scientific Discovery (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

MAT 115 Pre-Calculus (3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education Credit Hours 30

Business Core

ACC 101 Financial Accounting (3)

ECO 201 Microeconomics (3)

ECO 260 Econometrics I (3)

ECO 261 Econometrics II (3)

MGT 175 Management Concepts and Communication (3)

MGT 335 Organizational Behavior (3)

MGT 340 Financial Management (3)

MGT 420 Policy and Strategy Case Studies (3)

MIS 240 Management Information Systems (3)

Minimum Business Credit Hours 27

Sport Management Core

ECO 380 Economics of Sports (3)

PSY 385 Sport Psychology (3)

SOC 301 Sociology of Sport (3)

SPM 220 Management and Leadership in Sport Organizations (3)

SPM 320 Sport Marketing and Promotion (3)

SPM 325 Legal and Ethical Issues in Sport and Recreation (3)

SPM 335 Sport Event Management (3)
SPM 340 History and Philosophy of Sport (3)
SPM 400 Sport Facility Planning and Management (3)
Minimum Sport Management Credit Hours 27
Field Experience
SPM 377 Field Experience I (3)
SPM 477 Field Experience II (3)
Minimum Field Experience Credit Hours 6
Liberal Arts and Sciences
ENG 260 Business and Professional Writing (3)
PSY 100 Introduction to Psychology (3)
PHI 300 Ethics (3)
Liberal Arts Electives (9)
Minimum Liberal Arts and Sciences Credit Hours 18
Electives
Free electives (12)
Minimum Elective Credit Hours 12
Total Undergraduate BS in Sport Management 120

VETERINARY TECHNOLOGY

A.S. in Veterinary Technology/B.S. in Veterinary Technology

Program Description

This rigorous program accredited by the American Veterinary Medical Association (AVMA) combines professional, liberal arts, basic sciences, and two Preceptorship (field experience) requirements. Students will earn an Associate Degree and also have the opportunity to apply all credits towards a Bachelor's Degree. The Associate Degree entails seventy-two credits over two academic years, but may be adjusted to accommodate a student's special needs. The Bachelor's Degree can be obtained after two additional years of study and will include specialization courses in Veterinary Technology, upper level sciences and diverse General Education topics. Students may also choose the Pre-Veterinary pathway and complete prerequisite courses for application to Veterinary schools which will include a summer session.

The Veterinary Technology program focuses on laboratory testing techniques and clinical assisting procedures in new, state-of-the art facilities. Diagnostics, treatments, and medical ethics are stressed. Lecture sessions utilize computer assisted instruction and technological "smart classrooms". "Reality-based" teaching techniques, including the use of case-studies and interactive computer-based activities, connect classes and clinical laboratory experiences with modern veterinary practice. These are complemented with intensive laboratory experiences and Preceptorships. The Buffalo Zoo, Erie County SPCA, Roswell Park Cancer Institute, SUNY Buffalo, Veterans Hospital and local Buffalo and Rochester Veterinary Hospitals cooperate with Medaille. Large animal facilities and local farms provide opportunities to work with equine and agricultural

animals. The Medaille student will become familiar with medical procedures for companion, laboratory, exotic and all major large animal species. As a Veterinary Technician employment is available in veterinary offices, animal hospitals, the pharmaceutical industry, biological testing labs, state and federal government agencies, Colleges and universities, and animal breeding facilities. The Bachelor's Degree will enhance a student's preparedness and provide opportunities for pursuing career goals and graduate studies.

Admission to the College does not guarantee admission to the Veterinary Technology program. All VET courses above VET 120 require formal admission to the Veterinary Technology program. Minimum requirements include a 2.5 average for transfer students and an 80% average for high school graduates. The Veterinary Technology program requires student time beyond scheduled class and laboratory hours. Animal Care and Vivarium responsibilities (in new and spacious animal housing facilities), laboratory testing and animal supervision are some of the assigned duties which require substantial time outside the classroom. Travel to and from instructional programs held off the Medaille campus, such as farm animal labs, necessitates additional student time. Those students wishing to pursue a Bachelor's Degree, including courses required for veterinary school admission, can do so in conjunction with the Veterinary Technology program. Flexibility in the various Bachelor Degree programs affiliated with the A.S. in Veterinary Technology will allow participants to satisfy the admissions requirements for most professional post-graduate medical programs.

A Veterinary Technology Handbook of policies, procedures, and needed materials will be furnished to each Veterinary Technology student in their first semester.

To graduate with an Associate in Science degree, students must complete all required courses with not less than an overall 2.0 (C) average and not less than a 2.0 (C) average in Veterinary Technology courses. Majors in this program may not take any Veterinary Technology course as a Pass/Fail.

Students completing the Associate Degree program are eligible to take the Veterinary Technician National Examination (VTNE) which is required for licensure in New York and most other States throughout the country. As graduates of an AVMA accredited program, Medaille students can receive reciprocal licensing in these states.

Credit Distribution: Associate in Science

General Education Component (9)

*GEN 110 Introduction to Critical Thought (3)

SPE 130 Fundamentals of Public Speaking (3)

ENG 110 College Writing II (3)

Veterinary Technology Component (36)

VET 100 Introduction to Veterinary Technology (3)

VET 120 Introduction to Laboratory Animal Science (3)

VET 126 Animal Parasitology (2)

VET 202 Small Animal Diseases and Nutrition (3)

VET 204 Veterinary Clinical Laboratory Techniques (3)

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VET 206 Handling and Care of Exotics (2)

VET 208 Veterinary Diagnostic Imaging (2)

VET 222 Farm Animal Restraint, Diseases, and Nutrition (3)

VET 224 Surgical Nursing and Anesthesiology (3)

VET 226 Veterinary Practice Management (3)

VET 228 Gross and Clinical Pathology (1)

VET 230 Pharmacy and Pharmacology (3)

VET 177 Preceptorship I (2)

VET 277 Preceptorship II (3)

Liberal Arts and Sciences Component (27)

Mathematics/Sciences Component (21)

BIO 170 Comparative Anatomy and Physiology I (5)

BIO 171 Comparative Anatomy and Physiology II (5)

BIO 200 Microbiology (4)

**CHE 145 Chemistry for the Health Sciences (4)

MAT 112 Mathematics for the Sciences (3)

Liberal Arts and Sciences Component (6)

(May include any APY, ART, BIO, CHE, CRJ, ECO, ENG, FRE, GEN, GEO, HIS, HUM, MAT, MMS, PHI, PHY, POL, PSY, RDG, SSC, SOC, SPA, SPE, THE course)

Total 72 credit hours

*Required of first-time Freshmen students; all other students must substitute a Liberal Arts or Sciences Elective.

**Students anticipating enrollment in the Bachelor of Science degree program in Biology or wishing to satisfy prerequisites for applying to Veterinary school should consult with the Veterinary Technology and Mathematics and Sciences Department Chairpersons for appropriate course selections.

BACHELOR OF SCIENCE DEGREE PROGRAM -- MATRICULATION FROM ASSOCIATE DEGREE IN VETERINARY TECHNOLOGY TO LIBERAL STUDIES, BIOLOGY OR VETERINARY TECHNOLOGY

Medaille College offers the opportunity for Veterinary Technology majors to apply their previously earned A.S. Degree toward fulfilling the requirements of a Bachelor of Science in Liberal Studies, Biology or Veterinary Technology. These programs enable the Veterinary Technician to receive the maximum benefit from transfer credits.

Although the Bachelor of Science programs have been formulated to complement the Medaille College Veterinary Technology degree, it is anticipated that other States' and New York programs accredited by the AVMA will be quite similar and that almost all earned credits will transfer.

Credit Distribution: Bachelor of Science

Veterinary Technology (VET) Credit Matriculation to Liberal Studies

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Associate Degree in VET (Medaille College): 72

+Remaining Credit Hours Required for Liberal Studies Degree: 48

Students taking Veterinary School prerequisites require additional credits

Total 120 credit hours

Bachelor of Science: Veterinary Technology (VET) and Biology Dual Major

Associate Degree in VET (Medaille College): 72

+Remaining Credit Hours Required for Biology Degree: 56

Students taking Veterinary School prerequisites require additional credits

Total 128 credit hours

Bachelor of Science: Veterinary Technology

Associate Degree in VET (Medaille College): 72

+Remaining Credit Hours Required for B.S. in VET: 48

Total 120 credit hours

B.S. in Veterinary Technology (VET) and Veterinary School prerequisites

Associate Degree in VET (Medaille College): 72

+Remaining Credit Hours Required for B.S. in VET: 70

(Students declaring the BS prior to their Freshman Spring semester can be scheduled to require only 130 credits)

Total 142 credit hours

+Waiver is granted for lower-level Theme IV, Science, Technology and Environment requirement (GEN 240). Contact the Veterinary Technology Chairperson for further information.

Bachelor of Science Credit Hours

General Education Component

ENG 110 College Writing II (3)

ENG 200 Analytical Writing (3)

*GEN 110 Introduction to Critical Thought (3)

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

**MAT 114 Intermediate Algebra (3)

MAT 201 or BIO 301 (3)

SPE 130 Fundamentals of Public Speaking (3)

Minimum General Education Credit Hours 30

Veterinary Technology Component

VET 100 Introduction to Veterinary Technology (3)

VET 120 Introduction to Laboratory Animal Science (3)

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VET 126 Animal Parasitology (2)
VET 202 Small Animal Diseases and Nutrition (3)
VET 204 Veterinary Clinical Laboratory Techniques (3)
VET 206 Handling and Care of Exotics (2)
VET 208 Veterinary Diagnostic Imaging (2)
VET 222 Farm Animal Restraint, Diseases, and Nutrition (3)
VET 224 Surgical Nursing and Anesthesiology (3)
VET 226 Veterinary Practice Management (3)
VET 228 Gross and Clinical Pathology (1)
VET 230 Pharmacy and Pharmacology (3)
VET 177 Preceptorship I (2)
VET 277 Preceptorship II (3)

1 VET (Any) Veterinary Technology Electives (6)
2 300 or 400 level Veterinary Technology Electives (9)

Minimum Veterinary Technology Credit Hours 51

NOTE: VET 132, VET 234, VET 238, VET 330, VET 336, VET 434, and VET 438 cannot be used as VET Electives.

1 Student must choose 2 courses from the following: VET 130, VET 232, VET 298, VET 299, or any VET 300/400 level.

2 Student must choose 3 courses from the following: VET 300, VET 301, VET 320, VET 326, VET 340, VET 355, VET 360, VET 398, VET 400, VET 401, VET 440, VET 450, VET 460, VET 461, or VET 498.

Liberal Arts and Sciences Component (33)

ENG 205 or ENG 215 (3)

BIO 170 Comparative Anatomy and Physiology I (5)

BIO 171 Comparative Anatomy and Physiology II (5)

BIO 200 Microbiology (4)

CHE 145 Chemistry for the Health Sciences (4)

**MAT 112 Mathematics for the Sciences (3)

9 credits 300/400 level from:

(May include any APY, ART, BIO, CHE, CRJ, ECO, ENG, FRE, GEN, GEO, HIS, HUM, MAT, MMS, PHI, PHY, POL, PSY, RDG, SSC, SOC, SPA, SPE, THE course)

Free Electives (any course) (6)

Total 120 credit hours

*Required of first-time Freshmen students; all other students must substitute a Liberal Arts or Sciences Elective.

**Students wishing to transfer a College math must successfully complete the Medaille Waiver Exam.

***Students who meet the math competency by placement must substitute a Free Elective.

VISUAL AND DIGITAL ARTS

The Visual and Digital Arts program is currently on hiatus, and not accepting incoming first-year or transfer students as of Fall 2009.

COURSE DESCRIPTIONS

ACCOUNTING

ACC 101 FINANCIAL ACCOUNTING

This is an introduction to the principles of accounting with emphasis on preparation of general purpose financial statements. This includes service organizations and merchandisers. An in-depth coverage of corporate securities, income tax and cash flow is included. Other topics reviewed include the accounting cycle-journal entry preparation and posting and elements of the balance sheet. Finally, financial statements will be analyzed through various analytical procedures. Computer applications included. A lab will be required of all students for problem solving, discussion and any questions. This requirement will be waived as long as a student maintains a minimum of a B average in the course and has satisfactorily completed all homework assignments. Three credit hours. Prerequisites : none. Offered Fall semester.

ACC 102 MANAGERIAL ACCOUNTING

This course is a continuation of ACC 101. The different forms of business organizations are compared including corporations, partnerships and limited liability companies. The balance sheet will continue to be analyzed. Management accounting will be introduced. Topics including accounting for a manufacturer including job order and process costing, cost-volume-profit analysis and budgeting. Computer applications included. Three credit hours. Prerequisites: ACC 101. Offered Spring semester.

ACC 298 SPECIAL TOPIC IN ACCOUNTING

(Topic to be specified each semester course offered.)

ACC 300 INCOME TAX ACCOUNTING

Provisions and procedures of federal and state income tax laws for individuals will be studied. Problems will be utilized to assist the student in understanding the practical application of those regulations. Current issues in tax accounting and tax planning are also considered. Computer application included. Three credit hours. Prerequisite: ACC 102. Offered Spring semester in odd numbered years.

ACC 305 COST ACCOUNTING

This course develops the use of accounting data and the basic technical understanding to be applied internally by managers in directing the affairs of an organization. Such topics as budgeting, cost-volume- profit relationships, job-order and process costing, and standard costs

will be covered. Computer applications included. Three credit hours. Prerequisites: MAT 110 or MAT 115; and ACC 102. Offered Fall semester in odd numbered years.

ACC 350 INTERMEDIATE ACCOUNTING I

This course serves to elevate the competence level of the student's accounting skills so that a working knowledge of financial accounting is possible. The course commences with a review of basic financial accounting principles and develops further the areas of asset valuation, income measurement, complete financial statement preparation, and time value of money. Computer applications included. Three credit hours. Prerequisite: ACC 102. Offered Fall semester in odd numbered years.

ACC 351 INTERMEDIATE ACCOUNTING II

This course will develop, at the intermediate level, a thorough understanding of the equity area of accounting. Topics to be covered will include capital stock, retained earnings, treasury stock, stock rights and warrants. The course also will provide coverage of long-term debt, pensions, leases, earnings per share, income recognition and cash flow. Computer applications included. Three credit hours. Prerequisite: ACC 350. Offered Spring semester in even numbered years.

ACC 377 Field Experience I

This course provides the student with both observational and "hands-on" learning experience through participation in an internship, ideally in the field in which the student will be seeking employment. Students who are already on an established career path may enhance their visibility in the organization by completion of a special project related to their careers, subject to prior instructor approval. Three credit hours. Prerequisite: ACC351, Junior Standing and a 2.0 Cumulative GPA.

ACC 398 SPECIAL TOPIC IN ACCOUNTING

(Topic to be specified each semester course offered.)

ACC 410 ADVANCED ACCOUNTING

This course will provide an in-depth emphasis on the accounting procedures and disclosures regarding combined corporate entities and consolidations. Additional topics to be covered in this course include branch accounting, segment reporting, foreign operations, partnerships and bankruptcies. Computer applications included. Three credit hours. Prerequisite: ACC 351. Offered Spring semester in even numbered years.

ACC 430 AUDITING

This course will focus on the standards and procedures of the auditing function within the industry. The course will provide an understanding of the standards of ethical conduct; auditor's legal responsibility and liability; meaning, significance, and preparation of an auditor's report; nature of audit evidence; internal control and tests; and the importance of EDP in auditing. Statements on auditing standards from the AICPA are reviewed. Computer applications included. Three credit hours. Prerequisite: ACC 351. Offered Fall semester in odd numbered years.

ACC 477 Field Experience II

This is a continuation of the business exposure completed in the Field Experience I. A minimum of 120 work hours is required, but the performance level of the assignment is expected to be higher than the level I assignment. Students may again elect to complete a project related to their careers, but it must be demonstrative of a higher level competence and difficulty, and approved by the program chairperson. Three credit hours. Prerequisite: ACC 430, Senior Standing, 2.0 Cumulative GPA.

ACC 498 INDEPENDENT STUDY IN ACCOUNTING

ANTHROPOLOGY

APY 100 INTRODUCTION TO ANTHROPOLOGY

An overview of anthropological theory and research, including sub-fields of the discipline with particular emphasis on cultural anthropology. Three credit hours. Prerequisites: None. Offered: as needed.

APY 300 URBAN ANTHROPOLOGY

An analysis of urban communities in historical and cultural perspectives; the role of cities in large societies and cultural systems; the application of anthropological techniques in understanding complex urban communities. Three credit hours. Prerequisites: APY 100 or Junior standing. Offered: as needed.

ART

ART 214 SURVEY OF WORLD ART I: ANCIENT THROUGH MEDIEVAL

A survey of world art and architecture from prehistory to 1400 CE. Includes slide lectures, art videos, and field trip(s). Three credit hours. Prerequisite: ENG 110. Offered Fall semester.

ART 215 SURVEY OF WORLD ART II: RENAISSANCE THROUGH MODERN

A survey of world art and architecture from approximately 1400 CE to 1940, with an emphasis on Western art. Includes slide lectures, art videos, and field trip(s). Three credit hours. Prerequisite: ENG 110. Offered Spring semester.

ART 230 TWO-DIMENSIONAL DESIGN AND COLOR THEORY

An introductory studio course in which students use the basic elements of art and design principles to learn and apply the language of visual organization. The course also includes basic concepts of typography, layout, and color theory. Three credit hours. Prerequisite: None. Offered Spring semester.

ART 240 DRAWING

A studio course providing instruction in basic perceptual skills and drawing techniques in a variety of media. Three credit hours. Prerequisite: None. Offered Spring semester.

ART 260 BASIC PHOTOGRAPHY

A study of photography composition and use of the camera as an artistic and communication tool. An introduction to the use of the still camera, light, meter, film development, darkroom techniques and photographic enlargement. Students also will learn to “read” photos, speak intelligently about their own personal style and ethics regarding visual communications. Techniques learned here can not only be applied as vocational skills, but the student is encouraged to pursue photography as a lifelong method of personal expression. Three credit hours. Prerequisite: None. Offered Spring semester.

ART 298 SPECIAL TOPIC IN ART

(Topic to be specified each semester course offered.)

ART 320 PAINTING

A studio course providing basic instruction in painting techniques and pictorial organization. Three credit hours. Prerequisite: None. Offered as needed.

ART 340 ADVANCED DRAWING

A continuation of ART 240, Drawing. A studio course designed to develop perceptual skills, critical judgment, and the ability to draw using a variety of mediums and subjects. Three credit hours. Prerequisite: ART 240. Offered as needed.

ART 360 ADVANCED PHOTOGRAPHY

Further development of skills in color photography, picture composition, and lighting techniques. Features segments in various types of commercial photography, photo-journalism, fine art photography, and digital photography. Additional segments will emphasize studio lighting, medium and large format camera, as well as studio techniques. Three credit hours. Prerequisite: ART 260. Offered as needed.

ART 370 CERAMICS

A studio course providing instruction in basic ceramic techniques and exploration of clay as a medium of artistic expression. Includes hand-building, throwing, glaze application, kiln loading, firing, and unloading. Three credit hours. Prerequisite: ART 230. Offered as needed.

ART/MMS 377 FIELD EXPERIENCE

Observational and “hands-on” work experience in a visual art or media-related placement situation. A total of 30 hours is required for each credit hour of field experience. Restricted to Visual and Digital Arts majors. One – Three credit hours. Prerequisite: Sophomore Standing and 2.5 Cumulative GPA. Offered as needed.

ART 398 SPECIAL TOPIC IN ART

(Topic to be specified each semester course offered.)

ART 405 SENIOR EXHIBITION

A studio course designed to provide Visual and Digital Arts majors with the opportunity and

challenge to create an exhibition of artwork as a culmination of course of study.
Four credit hours. Prerequisite: Senior standing. Offered as needed.

ART 420 ADVANCED PAINTING

A continuation of ART 320, Painting. A studio course designed to develop perceptual skills, critical judgment, and the ability to paint in oils.
Three credit hours. Prerequisite: ART 320. Offered as needed.

ART 450 CONTEMPORARY ART

The study of art movements since 1940. Emphasis will be placed on how art expresses personal, social, and cultural experience. Includes slide lectures, discussions, art videos, and field trips.
Three credit hours. Prerequisites: ART 100 or ART 214 or ART 215 or GEN 230; and Junior standing. Offered as needed.

ART 453 THE HISTORY OF PHOTOGRAPHY

A historical survey of the development for photography from its 19th century origins to contemporary practice. The course includes slide lectures, videotapes, and field trip(s).
Three credit hours. Prerequisites: ART 100 or ART 214 or ART 215 or GEN 230; and Junior standing. Offered as needed.

ART 460 PHOTOGRAPHY: ALTERNATIVE PROCESSES

An advanced look at photography using alternative processing techniques. This course will show students that photography is a broad medium that encompasses a wide variety of techniques beyond that of black and white photography. Students will discuss where their inspiration comes from, initiate a plan for creating images using various lighting, camera, darkroom and digital techniques. Each assignment will profile a different technique including but not limited to: hand coloring, cyanotype, Platinum and Palladium printing, digital imaging, Polaroid emulsion transfers, Polaroid manipulations, pin hole photography and much more. Course work will include lectures, hands-on experience, demonstrations, studio experience, and off-campus field trips. Students will create an alternative process notebook as well as a final portfolio.
Three credit hours. Prerequisite: ART 260. Offered as needed.

ART 498 INDEPENDENT STUDY IN ART

BIOLOGY

BIO 101 BIOLOGY

An introduction to biological processes and principles including: (1) the nature of science, (2) origin of life and evolution, (3) the chemical basis of life, (4) cells and cellular events, (5) reproduction and genetics, (6) plant structure and function, and (7) ecosystems. Contemporary applications of these topics will be discussed. A laboratory will introduce students to the use of the scientific method by combining experiments, observations, measurements and analyses.
Three credit hours. Offered Spring semester. Note: Registration for both the lecture (BIO 101) and the lab (BIO 101 L) is required.

BIO 110 HUMAN NUTRITION

An introduction to human nutrition covering topics such as energy, protein, fat and carbohydrate requirements. Vitamin and mineral requirements and nutrition through the life cycle are also examined. Students apply nutrition concepts to their own diets.

Three credit hours. Offered as needed.

BIO 120 BOTANY

A study of plant structure, physiology, and classification. Fundamental concepts of genetics and evolution will be introduced. Special emphasis will be placed on the ecological importance and economic value of plants. Travel time to and from off-campus activities may be required.

Four credit hours. Offered Spring semester. Note: Registration for both the lecture (BIO 120) and the lab (BIO 120 L) is required.

BIO 150 ENVIRONMENTAL STUDIES

An introduction to ecological theory, natural and manmade environmental problems and human population dynamics. The interaction of science and society in creating and solving environmental problems is emphasized. Students are challenged to question their own attitudes concerning man and nature. Three credit hours. Offered as needed.

BIO 160 HUMAN ANATOMY AND PHYSIOLOGY I

This course initiates the study of the human body. Topics include cells, tissues, and the skeletal, muscular, and nervous systems. Four credit hours. Offered as needed. Note: Registration for both the lecture (BIO 160) and the lab (BIO 160 L) is required.

BIO 161 HUMAN ANATOMY AND PHYSIOLOGY II

A continuation of BIO 160. Topics include the endocrine, circulatory, digestive, respiratory, excretory, and reproductive systems. Four credit hours. Prerequisite: BIO 160. Offered as needed. Note: Registration for both the lecture (BIO 161) and the lab (BIO 161 L) is required.

BIO 170 COMPARATIVE ANATOMY AND PHYSIOLOGY I

A combination of lecture and laboratory exercises that provide an introduction to the major animal phyla and comparison of their life processes. Topics include cell structure and function, energy transformation, major body systems, genetics and behavior. Each of these topics is viewed from an evolutionary perspective to highlight the unity and diversity within the animal kingdom. Detailed study of mammalian anatomy, physiology, and histology is initiated. Five credit hours. Offered Fall semester. Note: Registration for both the lecture (BIO 170) and the lab (BIO 170 L) is required.

BIO 171 COMPARATIVE ANATOMY AND PHYSIOLOGY II

A continuation of BIO 170. Exploration of mammalian anatomy, physiology, and histology are emphasized. A combination of lectures and laboratories to study both gross and microscopic anatomy. Models for examination are the dog, cat, horse, and cow. The animal is seen in its life processes and activities. The physiological aspects of the mammalian body are explored. Specific

anatomical differences in other species are noted. Methods involved in the preparation of tissue slides for histological examination are introduced. Histological slides are part of the laboratory exercises. Five credit hours. Prerequisite: BIO 170. Offered Spring semester. Note: Registration for both the lecture (BIO 171) and the lab (BIO 171 L) is required.

BIO 200 MICROBIOLOGY

A survey of microscopic organisms including their morphology, nutrition, physiology, and interactions with humans and animals. Microorganisms surveyed include bacteria, viruses, and fungi. Laboratory exercises cover microscope techniques, slide preparation, cell staining, sterile techniques, and the identification of microorganisms. Principles of immunology and the inflammatory response are discussed. Four credit hours. Prerequisite: BIO 101 or BIO 170. Offered Spring semester. Note: Registration for both the lecture (BIO 200) and the lab (BIO 200 L) is required.

BIO 220 CELL BIOLOGY

The study of the biology of eukaryotic and prokaryotic cells. Topics include the chemical composition and organization of cells, the function of organelles and cell specialization. Cellular reproduction, regulation of gene expression and cell signaling will be emphasized. Three credit hours. Prerequisites: BIO 171 and any College-level chemistry course. Offered Fall semester.

BIO 298 SPECIAL TOPIC IN BIOLOGY

(Topic to be specified each semester course offered.)

BIO 301 EPIDEMIOLOGY AND BIostatISTICS

This course provides an introduction to descriptive and inferential statistics techniques using computer statistical software. Topics such as hypothesis testing and interpretation of data from health behavior and epidemiologic research will be provided. The course will also review the methods used in epidemiologic research, including the calculation of rates, sampling theory, and types of studies. Three credit hours. Prerequisites: BIO 161 or BIO 171; and MAT 114. Offered Spring semester.

BIO 303 TOXICOLOGY

This course is an introduction to the fundamental principles of toxicology. Topics include the history and scope of toxicology, the mechanisms of toxicity, and risk assessment. Depending upon the specialized areas of interest of the instructor, students are also introduced to broader subjects in the discipline such as environmental toxicology, clinical toxicology, and forensic toxicology. Three credit hours. Prerequisites: BIO 161 or 171 and any College-level chemistry course. Offered as needed.

BIO 310 IMMUNOLOGY

The course is designed to provide students with in-depth knowledge of the current principles of immunology. Both humoral and cellular immune responses will be examined in terms of the cells involved and the method in which the cells recognize and react to foreign antigens. Several

disease states that are controlled by host immunity will also be included. Three credit hours. Prerequisites: BIO 200 and any College-level chemistry course. Offered as needed.

BIO 320 ECOLOGY

The study of the relationships of organisms to their environment. Topics include the ecology of individual organisms as well as population, community, and ecosystem ecology. Application of ecological principles to issues of environmental concern such as pollution, conservation, and land use will be considered. Additional student time outside of scheduled class and laboratory hours may be required for assignments and/or travel to and from off-campus activities. Four credit hours. Prerequisite: Any College-level biology course. Offered Fall semester. Note: Registration for both the lecture (BIO 320) and the lab (BIO 320 L) is required.

BIO 330 GENETICS

A study of the fundamental concepts of transmission, molecular and population genetics. Mendelian principles and their applications are explored; the chemical and physical structure of chromosomes, genetic linkage and mapping are included. Expression of genetic material, chromosomal organization, mutations and mechanisms of recombination are discussed. Three credit hours. Prerequisites: BIO 220. Offered Spring semester.

BIO 340 ANIMAL BEHAVIOR

This course covers the natural behavior of animals, providing a broad examination of genetic, neural, developmental, ecological, social and evolutionary aspects of behavior. Specific discussion will focus on sexual and parental behavior, migration, communication and aggression and learning. Summarization will address behavior problems, methods of intervention and solutions pertaining to companion and farm animals. An outside field trip is required. Comparative studies will be used for helping to understand human behavior. Three credit hours. Prerequisite: Any College-level biology course. Offered as needed.

BIO 370 ADVANCED VERTEBRATE PHYSIOLOGY I

An investigation into comparative vertebrate physiology of the nervous, muscular, hematologic, cardiovascular, respiratory and excretory systems as they relate to environmental adaptation, health and disease states. Analysis of organ system physiology in whole animal survival is emphasized. Three credit hours. Prerequisite: BIO 171 or equivalent. Offered Fall semester.

BIO 371 ADVANCED VERTEBRATE PHYSIOLOGY II

An investigation into comparative vertebrate physiology of the digestive, reproductive and endocrine systems as they relate to environmental adaptation, health and disease states. Thermoregulatory mechanisms are explored. Analysis of organ system physiology in whole animal survival is emphasized. Three credit hours. Prerequisite: BIO 171 or equivalent. Offered Spring semester.

BIO 398 SPECIAL TOPIC IN BIOLOGY

(Topic to be specified each semester course offered.)

BIO 421 ICHTHYOLOGY

This course is an exploration of the taxonomy and biological characteristics of fish, including their anatomy and physiology, life history, ecology and distribution. The relationship of fishes to man will be examined. The laboratory will include identification of native and exotic species, surface and internal anatomy, and field trips to examine specimens in their natural and/or captive environments. Special emphasis is placed on the identification and life history of native New York fauna. Field trips may require time outside of normally scheduled class and/or lab. Four credit hours. Prerequisites: BIO 171, BIO 301, and BIO 320. Offered as needed. Note: Registration for both the lecture (BIO 421) and the lab (BIO 421 L) is required.

BIO 422 HERPETOLOGY

This course is an exploration of the taxonomy and biological characteristics of reptiles and amphibians, including their anatomy and physiology, life history, ecology and distribution. The relationship of herptiles to man will be examined. The laboratory will include identification of native and exotic species, surface and internal anatomy, and field trips to examine specimens in their natural and/or captive environments. Special emphasis is placed on the identification and life history of native New York fauna. Field trips may require time outside of normally scheduled class and/or lab. Four credit hours. Prerequisites: BIO 171, BIO 301, and BIO 320. Offered as needed. Note: Registration for both the lecture (BIO 422) and the lab (BIO 422 L) is required.

BIO 423 ORNITHOLOGY

This course is an exploration of the taxonomy and biological characteristics of birds, including their anatomy and physiology, life history, ecology and distribution. The relationship of avians to man will be examined. The laboratory will include identification of native and exotic species, surface and internal anatomy, and field trips to examine specimens in their natural and/or captive environments. Special emphasis is placed on the identification and life history of native New York fauna. Field trips may require time outside of normally scheduled class and/or lab. Four credit hours. Prerequisites: BIO 171, BIO 301, and BIO 320. Offered as needed. Note: Registration for both the lecture (BIO 423) and the lab (BIO 423 L) is required.

BIO 424 MAMMALOLOGY

This course is an exploration of the taxonomy and biological characteristics of mammals, including their anatomy and physiology, life history, ecology and distribution. The relationship of mammals to man will be examined. The laboratory will include identification of native and exotic species, surface and internal anatomy, and field trips to examine specimens in their natural and/or captive environments. Special emphasis is placed on the identification and life history of native New York fauna. Field trips may require time outside of normally scheduled class and/or lab. Four credit hours. Prerequisites: BIO 171, BIO 301, and BIO 320. Offered as needed. Note: Registration for both the lecture (BIO 424) and the lab (BIO 424 L) is required.

BIO 430 ORGANIC EVOLUTION

This course will explore the evolutionary process in detail and will address the rationale

underlying evolutionary theory. Topics include the evidence for evolution, the mechanisms of evolutionary change, the measurement of evolutionary change, speciation and the analysis of phylogeny. Three credit hours. Prerequisites: BIO 171, BIO 330, MAT 114 (or equivalent), and any College-level chemistry course. Offered as needed.

BIO 470 DEVELOPMENTAL BIOLOGY

An intensive examination of developmental biology from both the classical and contemporary perspectives. Topics include fundamental concepts such as nuclear totipotency, cell determination, induction, and morphogenesis interspersed with modern genetic and molecular analyses of development. Current issues in developmental biology will also be addressed. Three credit hours. Prerequisites: BIO 220 and BIO 330. Offered as needed.

BIO 498 INDEPENDENT STUDY IN BIOLOGY

BUSINESS

BUS 298 SPECIAL TOPIC IN BUSINESS

(Topic to be specified each semester course offered.)

BUS 320 PROFESSIONAL ETIQUETTE AND IMAGE

This course will explore the areas of business and professional etiquette and image so that students will understand and appreciate the critical role these play in the business environment. Basic skills and techniques will be discussed to enable students to better project a professional business image. Three credit hours. Prerequisite: Junior standing. Offered Spring semester in odd numbered years.

BUS 325 INTERNATIONAL BUSINESS STRATEGY

This course will look at how firms become and remain international in scope. The course deals with the experiences of firms of all sizes, and from many countries, as they come to grips with an increasingly competitive global environment when a home market perspective is no longer enough. Through carefully selected comprehensive case studies and integrated text material, this course bridges both the internationalization process and multinational management. Three credit hours. Prerequisite: Junior standing. Offered as needed.

BUS 398 SPECIAL TOPIC IN BUSINESS

(Topic to be specified each semester course offered.)

BUS 435 BUSINESS STRATEGY SIMULATION

This course will enable the student to experience the practical application of theoretical constructs learned in previous course work. Students will work in management teams running their own business in competition with other industry teams in a computer simulated environment. Teams will be responsible for all major operational decisions of the company. Attention will be given to teamwork and sound decision making in an environment of uncertainty throughout the course. Lectures and class work will emphasize strategic planning

and organizational aspects of running a business. Three credit hours. Prerequisite: Senior standing. Offered Spring semester in odd numbered years.

BUS 460 BUSINESS ETHICS AND SOCIAL RESPONSIBILITY

This course explores business as a dynamic enterprise, interacting within the environment of governmental regulation, professional codes of conduct, individual personal value conflicts, and increasing social pressures. Special emphasis is placed on social responsibility and the changing environment of business operations in both the domestic and international arena. Three credit hours. Prerequisite: Junior standing. Offered Spring semester in even numbered years.

BUS 498 INDEPENDENT STUDY IN BUSINESS

CHEMISTRY

CHE 145 CHEMISTRY FOR THE HEALTH SCIENCES

A one semester course intended for students in the allied health and medical fields. The course covers the fundamental concepts and essentials of general chemistry, introductory organic chemistry, and an introduction to biochemistry. A laboratory will introduce students to the use of the scientific method by combining experiments, observations, measurements and analysis. Four credit hours. Prerequisite: MAT 112 or MAT 114 or higher placement. Offered Spring semester. Note: Registration for both the lecture (CHE 145) and the lab (CHE 145 L) is required.

CHE 200 GENERAL CHEMISTRY I

A combination of lecture and laboratory exercises that provide an introduction to the basic principles of chemistry. Topics include stoichiometry, atomic theory, chemical bonding, thermochemistry, states of matter, and properties of mixtures. Four credit hours. Prerequisite: MAT 112 or MAT 114 or higher placement. High school chemistry or CHE 145 is recommended. Offered Fall semester. Note: Registration for both the lecture (CHE 200) and the lab (CHE 200 L) is required.

CHE 201 GENERAL CHEMISTRY II

The application of principles learned in CHE 200 to complex chemical systems. Topics include kinetics, acids and bases, equilibria, thermodynamics, and electrochemistry. Four credit hours. Prerequisite: CHE 200. Offered Spring semester. Note: Registration for both the lecture (CHE 201) and the lab (CHE 201 L) is required.

CHE 300 ORGANIC CHEMISTRY I

An introductory course that examines the properties of carbon-containing compounds. Lecture topics will include nomenclature, organic functional groups, reaction mechanisms, stereochemistry, acid-base chemistry, oxidation-reduction reactions, and synthetic schemes. The laboratory will introduce the student to organic techniques and synthesis. Four credit hours. Prerequisite: CHE 201. Offered Fall semester. Note: Registration for both the lecture (CHE 300) and the lab (CHE 300 L) is required.

CHE 301 ORGANIC CHEMISTRY II

A continuation of CHE 300. The course supplies an expanded view of organic synthesis, reaction mechanisms, and stereochemistry. The student will develop a more complete synthetic correlation chart. The chemistry of organic molecules will be related to the biochemical reactions of living cells. Emphasis will be placed on spectroscopy, molecular rearrangements, and applications to molecular genetics. The laboratory will offer an integration of organic techniques such as spectroscopy, chromatography, and analytical techniques. Four credit hours. Prerequisite: CHE 300. Offered Spring semester. Note: Registration for both the lecture (CHE 301) and the lab (CHE 301 L) is required.

CHE 400 GENERAL BIOCHEMISTRY

A course that explores the biological importance of chemical compounds with emphasis on the relationship between structure and function. Topics include enzyme regulation, enzyme kinetics, the role of carbohydrates, the biological mechanisms employed in energy production, and the integration of metabolic pathways. The laboratory will provide an introduction to the fundamental techniques of biochemistry. Four credit hours. Prerequisites: BIO 171 and CHE 301. Offered Fall semester. Note: Registration for both the lecture (CHE 400) and the lab (CHE 400 L) is required.

CHE 498 INDEPENDENT STUDY IN CHEMISTRY

COMMUNICATION

COM 101 INTRODUCTION TO MASS COMMUNICATIONS

This survey course provides an overview of the history, development, and influences of the various forms of mass communication, such as print, radio, and television. The course will also examine technological breakthroughs (innovations) within the field and their effects on the experience of various audiences, including the merging of mass and interpersonal communication. Three credit hours. Offered Fall semester (d).

COM 110 JOURNALISM: ORGANIZATION AND PRACTICE

This course is an examination of the basic tenets of newspaper journalism--how to research, organize and write a story. This course also covers internal structures of a newspaper: advertising, circulation and editorial policies and practices. Newspaper censorship and libel laws will also be discussed. Includes field trips and guest lecturers. Three credit hours. Prerequisite: ENG 110. Offered Spring semester (d).

COM 130 BROADCASTING: PRINCIPLES AND PRACTICE

An introduction to current organizational structures, programming, production, and operation of broadcast media. Also details functions of the Federal Communication Commission, and laws relating to electronic media. Effects of broadcasting are also discussed. Three credit hours. Offered Fall semester (d).

COM 150 MEDIA PROMOTION: ORGANIZATION AND PRACTICE

The purpose of this course is to introduce media undergraduates to the process of promotion. Each element of the promotional mix--advertising, public relations, sales promotion, and personal selling--is discussed within the framework of integrated marketing communications. Three credit hours. Offered Spring semester (d).

COM 210 COMPUTER ASSISTED REPORTING

This course will be a hands-on journalism course, providing students with instruction on use of techniques and software that would then be used in development of stories. This course will introduce students to the fundamentals of Computer Assisted Reporting (CAR), including spreadsheet, database and mapping skills, as well as using the internet in researching a story. Prerequisites: COM 110, ENG 110, CIS 115 or equivalent. Offered: Fall Semester (d)

COM 211 WRITING FOR MEDIA

This course is intended to provide the students with an opportunity to practice non-persuasive and persuasive writing for mass media audiences. This course will introduce students to the various styles of writing for public relations, advertising, radio and television broadcasting and print media (newspaper and magazine). Three credit hours. Prerequisites: COM 110 and ENG 200. Offered Fall semester (d).

COM 230 RADIO PRODUCTION TECHNIQUES

Students are introduced to various types of radio continuity writing. Using College studio facilities, students are exposed to current radio programming production methods and are given opportunity to use professional broadcasting equipment to produce original programs and "spot" announcements. Three credit hours. Prerequisites: COM 101, COM 130, and ENG 110. Offered as needed.

COM 236 BROADCAST MEDIA PERFORMING

A course designed for those persons who wish to develop their skill as "on-air" performers. Attention is given to techniques of delivery, style, announcing and performing on radio and television. Three credit hours. Prerequisites: COM 130 and SPE 130. Offered as needed.

COM 260-Photojournalism

Photojournalism is a particular form of journalism that creates images in order to tell a news story. Photojournalism provides a more complex and fully human way of capturing, describing and explaining to others what words often fail to do. With the new age of Digital Photography, photojournalism has become almost instant. Photographs can evoke a range of human feelings—dignity, integrity, shame, industry, integrity, pain, or joy—far beyond verbal linguistic description. Photojournalism as an art has developed into a new form of photographs for web slide shows and video. Students will see the importance of digital photography and the correct ways to use it. Students will be expected to attend off campus events at times other than the scheduled class time as needed.

COM 267 BASIC DESKTOP PUBLISHING AND GRAPHIC DESIGN

This course will introduce students to the basics of desktop publishing and graphic design. They will be exposed to a form of communication that combines writing skills, design techniques and computer capabilities. Students will be given the opportunity to create ads, fliers and professional grade publications through hands-on experience. Three credit hours. Prerequisite: Any CIS or MMS course. Offered as needed.

COM 277 FIELD EXPERIENCE I

Observational and "hands on" introduction to a media form through field placement in a media agency. A total of 120 hours is required for this field experience. It is a required course for Communication majors. Three credit hours. Prerequisites: COM 101, COM 110, COM 130, COM 150, ENG 200, and a 2.5 cumulative GPA. Offered every semester.

COM 298 SPECIAL TOPIC IN COMMUNICATION

(Topic to be specified each semester course offered.)

COM 300-MASS COMMUNICATION THEORY

The purpose of this course is to provide a comprehensive grounding in mass communication theory. We will review the historical development of media theory, consider the many issues and problems created by the introduction of media. And then focus on contemporary conceptualizations of media, ending with a discussion of media literacy. Three credit hours. Prerequisites: SPE 130 and ENG 110. Offered Spring semester (d)

COM 301 NEW COMMUNICATIONS TECHNOLOGIES

An intensive examination of technological innovation and changes in the mass media. This course will discuss how these technologies have impacted on the traditional process of information gathering and dissemination. The impact of technological change on consumers and industries will also be examined. Three credit hours. Prerequisites: COM 101 and ENG 110. Offered as needed (d).

COM 315 FEATURE WRITING

This course is designed to train students with an interest in professional writing careers in print journalism. Elements of this course will prepare students to meet a growing demand in the industry for people who can write features as well as hard news. Three credit hours. Prerequisites: COM 110 and ENG 200. Offered as needed.

COM 330 TELEVISION PRODUCTION TECHNIQUES

A study and implementation of current television production methods and equipment. Students learn the basic concepts of shooting, editing, lighting, producing and directing television program material. Student will also be introduced to the concept of producing video material for the internet. Three credit hours. Prerequisite: COM 130 Broadcasting: Principles and Practices. Offered as needed.

COM 336 BROADCAST NEWS JOURNALISM

A course which covers the operation of radio and television station newsrooms. Concentrates on techniques of reporting and editing news for an audio audience as well as practical instruction development of visual ideas for those media. Students will visit area radio and television newsrooms. Three credit hours. Prerequisites: COM 110, COM 130, and ENG 110. Offered as needed.

COM 355 THE THEORY OF MEDIA CRITICISM

This course will not only allow Communication and non-Communication majors to become more articulate in their appraisal of media content, but it also will teach them how to assess the validity of other reviews of media content. The course will review form and content of all areas of media and the arts, including radio, television, print, and graphic art. Three credit hours. Prerequisites: ENG 200 and Junior standing. Offered Fall semester (d).

COM 377 FIELD EXPERIENCE II

Observational and "hands-on" work experience in a second media placement situation. A total of 120 hours is required for this field experience. It is a required course for Communication majors. Three credit hours. Prerequisites: COM 277 and a 2.5 cumulative GPA. Offered every semester.

COM 388 FIELD EXPERIENCE

Optional observational and "hands-on" work experience in a third media placement setting. A total of 120 hours is required for this field experience. It is for students wishing to explore a third media situation. Three credit hours. Prerequisites: COM 277 and a 2.5 cumulative GPA. Offered every semester.

COM 398 SPECIAL TOPIC IN COMMUNICATION

(Topic to be specified each semester course offered.)

COM 400 MEDIA COMMUNICATION LAW AND ETHICS

A study of the history of media communication law from the First Amendment of the Constitution to laws in Congress today. Students discuss current issues and regulations involving ethical standards in all media. This course deals specifically with the rights of the reporter, the right of the public to know, government constraints and moral sensibilities. Three credit hours. Prerequisites: COM 377. Offered Spring semester (d).

COM 421 ADVERTISING/PR CAMPAIGN PLANNING

A course involving the students in the design, implementation, and execution of a complete Advertising/PR campaign. Students work in teams on analysis of marketing problems, research expenditures, media selection, and creative plan execution. May include multimedia presentation format. Three credit hours. Prerequisite: COM 211. Offered as needed.

COM 475 MEDIA AND SOCIETY SEMINAR

A historical investigation of media communications systems and their role in human society. The

course will survey the history of communications from early civilizations to the present. After tracing a social history of communications, the course will then relate it to a discussion of current issues in the mass media, including issues of commercialism, information overload and media convergence. Three credit hours. Prerequisite: COM 300, ENG 200, and Junior standing. Offered Fall semester (d).

COM 477 FIELD EXPERIENCE III

An intensive off-campus experience which builds upon the skills/ knowledge/attitudes gained in COM 277 and COM 377. It prepares the student for employment in his or her chosen field of media. The student will complete 200 hours of supervised internship at an approved site. Five credit hours. Prerequisites: COM 377 and a 2.5 cumulative GPA. Offered every semester.

COM 498 INDEPENDENT STUDY IN COMMUNICATION

COMPUTER INFORMATION SYSTEMS

CIS 115 COMPUTER APPLICATIONS

This course provides "hands-on" computer literacy by developing specific skills in the types of standard application software used in most organizations. The instruction includes the introduction of a graphical user interface (GUI), computer word processing, spreadsheets, and database management along with graphics, telecommunications and other pertinent topics such as computer ethics. Although Computer Information Systems majors can benefit from this course, it is especially recommended for students in other majors.

Three credit hours. Offered every semester.

CIS 155 COMPUTER APPLICATIONS IN EARLY ELEMENTARY CHILDHOOD AND CHILDHOOD EDUCATION

This course provides "hands-on" computer literacy by developing specific skills in the types of standard application software used in early childhood and childhood education (birth-six years). The instruction stresses management/administrative software used in the field on PCs and PC software that a teacher in early childhood and childhood education would likely encounter or want to use to perform well the duties expected of a teacher. Three credit hours. Prerequisites: None. Offered every spring semester; offered fall as needed.

CIS 165 COMPUTER APPLICATIONS IN SECONDARY EDUCATION

This course is a survey of various computer-based technologies that are essential to the modern teaching environment. Students will be engaged in both application and developmental aspects of a wide range of classroom hands-on tools. These tools will prepare students to become productive educators and allow them to assist their future students with learning, including students receiving special education. Topics include intermediate Microsoft Office applications, HTML and Web authoring techniques, social and ethical issues in computer-related technologies, and Internet research skills. Further topics include technology for managing, assessing, and teaching across multiple computer operating systems, as well as administrative applications of

technology related to special education. Students will analyze the use of assistive technology devices that allow access to computers for those individuals with physical challenges as well as multicultural issues relating to technology access.

CIS 245 INTERMEDIATE MICROCOMPUTER APPLICATIONS

This course is a continuation of the introduction course on computer application. The course emphasizes the integration of popular microcomputer software using advanced concepts. Students will learn advanced features of (1) word processing such as tables, mail merge, macros, and desk-top publishing features; (2) spreadsheet program to develop charts, macros and use the database feature of spreadsheets; and (3) database program to create reports and forms using macros and modules. Three credit hours. Prerequisite: CIS 115; or Windows skills and computer file management. Offered Spring semester

CRIMINAL JUSTICE

CRJ 101 INTRODUCTION TO CRIMINAL JUSTICE

An introductory course designed to provide a foundation of information on characteristics of crime and criminal justice procedure. An interdisciplinary approach is used, drawing on perspectives from legal studies, psychology, sociology, political science, history, and other disciplines. Three credit hours. Offered Fall semester.

CRJ 160 CRIME AND SOCIETY

This course is designed to heighten the student's awareness of the theoretical explanations for criminal behavior and resulting ideas for prevention, treatment, and punishment which may be implemented by the government. The perspectives of the originators of criminological thought will be discussed as well as contemporary approaches to understanding the nature, causes, and prevention of crime. Three credit hours. Offered Spring semester.

CRJ 170 LAW ENFORCEMENT ETHICS

This course is designed to provide the student with ethical awareness. The need for ethical standards throughout the criminal justice system has long been advocated. Discussion of ethical issues in particular situations will be included as well as high standards of behavior generally. Written codes and canons of ethics will be analyzed and evaluated. Three credit hours. Offered Fall semester.

CRJ 180 INTRODUCTION TO PERSONAL COMPUTERS AND THEIR OPERATING SYSTEMS FOR COMPUTER CRIME INVESTIGATIONS

An introduction to the IBM-based personal computer and its DOS and Windows-based operating system designed for the Criminal Justice major who may eventually specialize in computer-related investigations. The course will provide an intermediate working knowledge of computer hard-ware and the basic operating systems of DOS and Windows. The course will focus on the creation, maintenance and destruction of data stored in electronic form, and provides an

understanding of the significance of this data as possible evidence to criminal investigations. Three credit hours. Prerequisites: CIS 115; restricted to CRJ majors. Offered as needed.

CRJ 201 INTRODUCTION TO CRIMINAL LAW

A comprehensive introduction to the substantive law of crimes. Topics include: constitutional limits on behavior control; elements of crimes; offenses against people, property, public morality; criminal responsibility and defenses. Three credit hours. Prerequisite: CRJ 101. Offered Fall semester (d).

CRJ 225 JUVENILE DELINQUENCY

An examination of delinquent behavior and its effect on society. Topics will include analyzing and describing the nature and extent of juvenile delinquency, causes of delinquent behavior, juvenile gangs, and other issues directly related to the study of delinquency. Three credit hours. Offered as needed.

CRJ 240 CRIMINAL COURTS AND PROCEDURES

The study of the U.S. criminal justice system, which includes a study of the criminal justice process, law enforcement, adjudication, post-conviction strategies, and the juvenile justice system. Three credit hours. Prerequisite: CRJ 101. Offered Spring semester (d).

CRJ 250 SOCIAL ISSUES IN POLICING A MULTICULTURAL COMMUNITY

This course is designed to prepare students for careers of service to the public and in the criminal justice system by demonstrating an understanding of a variety of populations. The course will supply the student with an opportunity to experience multicultural populations through in-depth study and role-play simulations. Three credit hours. Offered Spring semester (d).

CRJ 280 COMPUTER FORENSICS: ELECTRONIC MEDIA AS EVIDENCE

An introduction to evidence collection, preservation, examination and presentation in an investigation involving electronic media for the Criminal Justice major who may eventually specialize in computer-related investigations. The course will provide a working knowledge of the seizure of computers and other evidence in electronic form. The course will focus on the preservation and examination of data stored in electronic form, and provide an understanding of the significance of this data as possible evidence to criminal investigations. Three credit hours. Prerequisites: CRJ 180; restricted to CRJ majors. Offered as needed.

CRJ 298 SPECIAL TOPIC IN CRIMINAL JUSTICE

(Topic to be specified each semester course offered.)

CRJ 301 CRIMINAL INVESTIGATION I

An introduction to the criminal justice system with a special focus on basic criminal investigations. The significance and application of investigative techniques and procedures for criminal and non-criminal investigators will be examined. Three credit hours. Offered Fall semester (d).

CRJ 303 CRIMINAL INVESTIGATION I LAB

A criminal investigation laboratory which will introduce the student to the newest advances in crime fighting including basic fingerprinting, firearms identification, evidence control and examination, bloodstain evidence, and DNA. This lab is a required component and graduation requirement for CRJ majors. One credit hour. Prerequisite: CRJ 301 or concurrent registration in CRJ 301. Offered Fall semester (d).

CRJ 310 CRIMINAL INVESTIGATION II

This is a continuation of the criminal investigation expo-sure completed in Criminal Investigation I (CRJ 301). The performance level of the study is expected to be more detailed and highly refined. Techniques and procedures for criminal and non-criminal investigators will be examined. Topics, which will be beneficial for the student to have greater detailed and in-depth study in, will be emphasized including searches and seizures, physical evidence, obtaining information, surveillance, homicide, and courtroom preparation. Three credit hours. Prerequisite: CRJ 301. Offered as needed.

CRJ 320 PAROLE, PROBATION, AND COMMUNITY-BASED CORRECTIONS

Using the federal system as a model, this course adopts a practical approach to the study of the personnel, practices, and procedures that comprise parole, probation, and community-based corrections. Reference to relevant state models also will be made. Three credit hours. Prerequisite: CRJ 240. Offered as needed.

CRJ 340 CORRECTIONS

A study of the field of corrections and correctional systems. As a result of perceived increases in violent crime and a sense of the randomness of victimization, citizens have demanded immediate and final resolutions to the problem of crime. Consequently, populations of prisoners have increased, previous programs such as chain-gangs have been renewed, and new ones, boot camps for example, have been implemented. Additionally, the age and gender gaps appear to be closing when it comes to committing crime as more females and older citizens are incarcerated. These trends require thoughtful consideration and leadership by those who work in the criminal justice system. Three credit hours. Prerequisite: CRJ 240. Offered Fall semester (d).

CRJ 350 COMMUNITY POLICING

This course is designed to convey a philosophy of policing which includes the beliefs that the police and the community work cooperatively to resolve problems. This will be distinguished from previous efforts such as neighborhood watches, team policing, and other cooperative policing programs. An emphasis will be placed on a service orientation toward those the police have sworn to protect with additional emphasis placed on interpersonal skill development. Three credit hours. Offered Spring semester (d).

CRJ 360 ADVANCED CRIMINAL LAW

This is a continuation of the study of the criminal law completed in CRJ 201. An in-depth, highly detailed study of the pervasive problems which must be resolved by the criminal justice system.

Discussion of the means of the criminal law, imposing ruthless force upon individual lives and its ends, serving the highest order of social and human values will be considered.

Three credit hours. Prerequisite: CRJ 201. Offered as needed.

CRJ 377 FIELD EXPERIENCE I

This course provides the student with both observational and "hands-on" learning experience through participation in an internship, ideally in the field in which the student will be seeking employment. Students who are already on an established career path may enhance their visibility in the organization by completion of a special project related to their careers, subject to prior instructor approval. Three credit hours. Prerequisites: A minimum 2.0 cumulative GPA, Junior standing, and 24 credits in core courses. Offered every semester.

CRJ 380 COMPUTER CRIME INVESTIGATION: EVIDENCE, LAW, AND INVESTIGATIVE TECHNIQUES

This course will focus on the actual investigation of computer crime. The course covers the application of previously acquired skills of collecting and examining electronic evidence to the use of this evidence in a criminal investigation. Investigative techniques such as interviewing, surveillance and warrant execution also will be applied to investigations involving electronic evidence. Students will become thoroughly familiar with the current issues of computer crime investigation. Three credit hours. Prerequisites: CRJ 280; restricted to CRJ majors. Offered as needed.

CRJ 398 SPECIAL TOPIC IN CRIMINAL JUSTICE

(Topic to be specified each semester course offered.)

CRJ 401 CONSTITUTIONAL ISSUES IN CRIMINAL JUSTICE

The Constitution and its interpretation from the post-Civil War period to the present. Emphasis will be placed on Supreme Court decisions, how they affected civil rights, civil liberties, and reform movements. Three credit hours. Prerequisites: CRJ 240 or HIS 150; and POL 101. Offered as needed.

CRJ 410 POLICE ADMINISTRATION

The thematic study of the capacity for change and dynamic qualities of police administration in the United States. A variety of perspectives are analyzed including behavioral, structural, and procedural approaches to facilitate a comprehensive understanding of the subject matter. Three credit hours. Prerequisite: Senior standing. Offered as needed.

CRJ 415 RESEARCH METHODS IN CRIMINAL JUSTICE

This course is designed to develop student's confidence and appreciation of the various research tools used in the field of criminal justice. Additionally, the student will develop an enhanced appreciation for the approaches to scientific inquiry and an ability to evaluate the efficacy of research tools used in each and become good consumers of research.

Three credit hours. Offered as needed.

CRJ 420 SENIOR SEMINAR/TOPICS

(Topic to be specified each semester course offered.)

This course provides the opportunity to offer specialty courses not included in the regular course offerings. Included may be various contemporary topics and issues such as domestic violence; stress and police personnel; death penalty; history of law enforcement; juvenile justice system; the nature of leadership, authority, and power; and organizational communication. A student may take this course more than once for credit under different topics. Three credit hours.

Prerequisite: Senior standing. Offered Fall semester (d).

CRJ 477 FIELD EXPERIENCE II

This is a continuation of the criminal justice system expo-sure completed in Field Experience I. The performance level of the assignment is expected to be higher than the Level I assignment. Students may elect to complete a project related to their careers, but it must be demonstrative of a high level of competence and difficulty, and approved by the department chairperson. Three credit hours. Prerequisites: A minimum 2.0 cumulative GPA, Senior standing, and CRJ 377. Offered every semester.

CRJ 480 COMPUTER CRIME INVESTIGATION: COMPUTER NETWORKS AND THE INTERNET

This course will focus on the relationship of networks (and by extension, the Internet) to computer crime. The student will learn how to apply the previously acquired skills of collecting and examining electronic evidence to the use of this evidence in a criminal investigation which involves a computer network and/or the Internet. The course will also examine issues related to the detection, investigation and prevention of network intrusions. Three credit hours.

Prerequisites: CRJ 380; restricted to CRJ majors. Offered as needed.

CRJ 498 INDEPENDENT STUDY IN CRIMINAL JUSTICE

ECONOMICS

ECO 200 MACROECONOMICS

Macroeconomics is a study of the national economy as an aggregate. The course includes a study of the determinants of the general price level, the rate of inflation, national income and production levels, monetary and budgetary policies, and unemployment. Three credit hours. Offered Fall semester.

ECO 201 MICROECONOMICS

Microeconomics focuses upon an analysis of utility and price elasticity within the framework of the American capitalistic system. An investigation is made of basic market structures with strong emphasis upon oligopoly and real work issues of industrial organizations. Three credit hours. Offered Spring semester.

ECO 260 ECONOMETRICS I

This course provides students an introduction to statistics and its applications in business and economics. The course concerns itself with the application of statistics and the tools of statistical

inference to the empirical measurement and testing of relationships postulated by economic theory. This will be accomplished through a comprehensive coverage of statistical concepts and strategies providing good preparation for the study of more advanced statistical material. The course will provide numerous applications of data analysis and statistical methodology offering considerable insights into the techniques by which data should be gathered as well as into the techniques through which a particular set of data should be analyzed once it has been gathered. Three credit hours. Prerequisite: MAT 114. Offered Fall semester.

ECO 261 ECONOMETRICS II

This course is a continuation of ECO 260. Statistical topics to be covered include design of experiments, analysis of variance, simple regression, multiple regression, model building, index numbers, forecasting, time series, chi-square and nonparametric statistics. The estimation and testing of linear economic models of two or more variables, statistical quality control, and decision analysis will be included. The course will rely on a specific computer-based application (SPSS, MINITAB, SAS, Excel, etc.) to create graphical and numerical outputs which will allow for in-depth interpretation of output, sensitivity analysis and examination of alternative modeling approaches. This course offers students an opportunity to learn practical approaches for analyzing data, ways of using data effectively to make informed decisions, and approaches for developing, analyzing and solving models of decision problems. Three credit hours. Prerequisite: ECO 260. Offered Spring semester.

ECO 262 STATISTICS FOR BUSINESS AND ECONOMICS

This course exposes students to various statistical methods used in business to support decision making. In particular, students will be exposed to topics such as including data summarization (graphical, tabular and numerical), probability theory, sampling and hypothesis testing, simple linear regression, and multiple regression. The course will rely on computer based applications to create graphical and numerical output for analysis. Three credit hours. Prerequisites: MAT 115 and MGT 175.

ECO 380 ECONOMICS OF SPORTS

This course applies basic economic theory to the analysis of several problems and issues in sports and recreation. Topics covered include: the history of the development of sports markets; the role of economics in the analysis of these markets; and the demand for activities, facilities, equipment, travel and leisure time. Problems affecting the recreation manager, such as pricing, investment, and budgeting are investigated in detail. Three credit hours. Prerequisite: ECO 201. Offered Spring semester.

ECO 498 INDEPENDENT STUDY IN ECONOMICS

EDUCATION

EDU 110 INTRODUCTION TO EDUCATION

An introductory study of approaches to education through research and observations in

elementary schools; a study of the organization of schools, role of school personnel, and a variety of elementary curricula. Three credit hours. Offered Fall semester.

EDU 210 FOUNDATIONS OF EDUCATION

This course is an introductory study of approaches to education through research and observation in education. The course is designed to provide a body of work in educational theory which examines current and anticipated educational trends from a sociological, philosophical, and historical perspective. The course will also examine how these trends impact school organization, personnel and school curricula. The students will utilize reflective practice and culturally responsive approaches. A minimum of 10 (ten) participation hours are required. Three credit hours. Prerequisites: none. Offered fall semester.

EDU 223 EDUCATIONAL PSYCHOLOGY

This course is a student of the fundamental aspects of educational psychology as it applies to learning and teaching practices utilized for students in early childhood, and middle childhood developmental stages. Various learning and developmental theories and related research are described and evaluated through an array of activities. The course will also examine practical instructional strategies that are applicable to child development, learning, and problem solving in all classroom environments. Three credit hours. Prerequisites: PSY 100.

EDU 232 BASIC CONCEPTS OF LITERACY I

This is an in-depth study of literacy instruction for the classroom teacher. The nature of reading is explored in order to develop a working definition of reading. Using the conceptual framework of a balanced literacy program, the elements of reading are discussed, modeled and demonstrated. The student will design read alouds and shared reading experiences for the classroom. Lesson plans for guided reading which include mini skill lessons for concepts of print, phonic awareness, word recognition skills, concepts of language and concepts of literature are developed. Literature circles are introduced at the early fluency and fluency levels. Three credit hours. Offered every semester (d); offered Fall semester.

EDU 233 BASIC CONCEPTS IN LITERACY II

This course offers the student a continued in-depth study of literacy instruction in the classroom and literacy assessment for the elementary school teacher. The concept of literature circles for literacy instruction will be explored. Material as well as planning guides will be developed. The student will be presented with various instruments for the assessment of literacy skills such as sight words, phonics, structural analysis, and comprehension. Holistic assessment of literacy will also be discussed such as the New York Early Literacy Profile and the New York State English Language Arts Exams. Students will learn to administer, score, and interpret these assessments and use the information to inform instruction. Three credit hours. Prerequisite: EDU 232. Offered Spring semester.

EDU 234 THE ADOLESCENT READER AND LITERACY

This course offers the student an in-depth study of the skills necessary to enable the middle

school teacher to assist the middle school child in developing appropriate literacy skills. The student will formulate a definition of reading. Students will develop materials appropriate for a balanced middle school literacy program including literature circles, word recognition skills, vocabulary and comprehension. Students will also have the opportunity to assess a middle school child's literacy level to better plan instruction. Three credit hours. Offered Fall semester
This class is for middle childhood certification.

EDU 235 CHILDREN'S LITERATURE

A systematic overview of authors, illustrators, and books written especially for children and young adults; psychology of writing for children and an analysis of works of various authors. Three credit hours. Offered Spring semester.

EDU 236 CONTENT AREA LITERACY WITH FIELDWORK

The students will explore the role of reading and writing in the content areas. Students will develop an understanding of language acquisition and language learners. Emphasis will be placed on developing the listening, speaking, reading, and writing skills of all students. Students will develop materials using various strategies for vocabulary, comprehension, and study skills in the content areas. Students will participate in field work for at least twenty (20) hours beyond class time.

EDU 237 ADOLESCENT READER AND WRITER WITH FIELDWORK

This course offers the student an in-depth study of the skills necessary to enable the adolescent school teacher to assist the adolescent learner in developing appropriate literacy skills. The student will formulate a definition of reading. Students will develop materials appropriate for a balanced adolescent school literacy program including literature circles, word recognition skills, vocabulary, and comprehension. Students will also have the opportunity to assess an adolescent's literacy level to better plan instruction. Field work for at least twenty (20) hours beyond class time will be included. This class is for adolescent certification

EDU 240 LITERACY I: LANGUAGE DEVELOPMENT AND PRE-EMERGENT LITERACY

This is an in-depth study of the development of literacy instruction in early childhood education. Students will study the research which focuses on oral language development and its role as the foundation for literacy. Students will study phonological awareness, print awareness, and early reading and writing skills. Long-term plans for supporting the literacy development of young children will be developed using multi-level and culturally responsive approaches. These plan will include literacy-rich environments, play-settings, and opportunities for the young child to engage in developmentally appropriate talking, reading, and writing experiences which will include Read Alouds, Shared Reading, Independent Reading, Shared/Interactive Writing, and Independent Writing. Students will be exposed to high quality children's literature including a variety of genres. Current preschool programs will be studied and emphasis will be placed on the home-school connection. New York Early Learning Standards will be introduced for early literacy

instruction from Birth to Kindergarten. A minimum of ten (10) participation hours are required. Three credit hours. Prerequisites: EDU 210 and EDU 223.

EDU 241 LITERACY II: EMERGENT TO EARLY READERS AND WRITERS

This is an in-depth study of literacy instruction in the elementary classroom for the Emergent and Early reader and writer (including the English Language Learner). Using the conceptual framework of a balanced literacy program and reflective practice, the elements of reading and writing are discussed, modeled, and practiced. Students will study the five pillars of reading research (phonemic awareness, phonics, fluency, vocabulary, and comprehension) and use this knowledge to design multi-level, culturally responsive instruction focusing on Word Study, Read Alouds, Shared Reading, Guided Reading, and Independent Reading. They will also study the connection between reading and writing and will be introduced to the Writing Process, Modeled/Guided Writing, and Independent Reading. The use of technology in the classroom will be integrated into instruction. Students will be introduced to high quality children's literature including a variety of genres. In addition, the elements of literacy assessment for the emergent and early reader will be studied, modeled, and practiced. Students will work to develop the critical understanding that assessment drives instruction. The New York State English Language Arts Standards will be explored for emergent to early readers. A minimum of ten (10) participation hours are required. Three credit hours. Prerequisites: EDU 240. Offered fall semester.

EDU 242 LITERACY III: TRANSITIONAL TO FLUENT READERS AND WRITERS

This is an in-depth student of literacy instruction in the elementary classroom for the Transitional and Fluent reader and writer (including the English Language Learner). Using the conceptual framework of a balanced literacy program, the elements of reading and writing are discussed, modeled, and practiced. Students will study the reading research (fluency, vocabulary, and comprehension) as it relates to the transitional and fluent reader and writer, and use this knowledge to design multi-level and culturally responsive instruction focusing on Word Study, Read Alouds, Shared Reading, Guided Reading, and Independent Reading (including Literature Study and Book Clubs). The use of technology will be integrated into instruction. The Writing Process will be discussed, modeled, practiced, and students will design instruction focusing on writing in the various genres. Students will be exposed to high quality children's literature and young adult literature including a variety of genres. In addition, the elements of literacy assessment for the Transitional and Fluent reader will be studied, modeled, and practiced. Students will work to develop the critical understanding that assessment drives instruction. The New York State English Language Arts Standards will be explored for transitional and fluent readers. A minimum of ten (10) participation hours are required. Three credit hours. Prerequisites: EDU 240, EDU 241. Offered spring semester.

EDU 298 SPECIAL TOPIC IN EDUCATION

(Topic to be specified each semester course offered.)

EDU 340 CHILD ABUSE, DRUG AWARENESS, SCHOOL VIOLENCE AND OTHER CURRENT ISSUES IN EDUCATION

This course provides the student with opportunities to review literature for discussion, prepare materials for workshops or presentations, and debate issues. During this time, the student will explore such topics as substance and child abuse, health issues, abduction, school violence, and other relevant topics of concern. Zero (0) credit hours. Prerequisite: Junior standing or earned Baccalaureate degree. Students will have the option of completing both requirements for New York State (Child Abuse and Save Legislation) online. They can also choose to take the course EDU 340 for no credit. Offered fall/spring semester.

EDU 345 MIDDLE SCHOOL CHILD AND CURRICULUM

This course investigates the characteristics common to the middle school child. It examines areas of concern and effective teaching methods that can be employed by the middle school educator in congruence with the New York State standards for learning and in light of the inclusive, classroom setting. Three credit hours. Prerequisite: Junior standing in Education. Offered Spring semester.

EDU 350 EDUCATION METHODS AND MATERIALS: CREATIVE ARTS

This course provides study and application of methods and materials to integrate art and music in the elementary classroom setting. One credit hour. Prerequisite: Junior standing in Elementary Education. Offered Spring semester (d); offered Fall semester.

EDU 351 EDUCATION METHODS AND MATERIALS: GENERIC CORE

This course provides study and application of methods and materials appropriate for the understanding and implementation of a variety of "generic" situations appropriate for an elementary classroom setting. Three credit hours. Prerequisite: Junior standing in Elementary Education or earned Baccalaureate degree. Offered Spring semester (d); offered Fall semester.

EDU 352 EDUCATION METHODS AND MATERIALS: LANGUAGE ARTS

This course provides study and application of methods and materials appropriate for English language arts in an elementary classroom setting. Two credit hours. Prerequisites: EDU 233, EDU 235, SPE 130, WRT 200, and Junior standing in Elementary Education. Offered Spring semester (d); offered Fall semester.

EDU 353 EDUCATION METHODS AND MATERIALS: MATHEMATICS

The study and application of methods and materials appropriate for the teaching of mathematics in the elementary school. Two credit hours. Prerequisite: Junior standing in Elementary Education. Offered Spring semester (d); offered Fall semester.

EDU 354 EDUCATION METHODS AND MATERIALS: SCIENCE

This course provides study and application of methods and materials appropriate for science in an elementary classroom setting. Two credit hours. Prerequisite: Junior standing in Elementary Education. Offered Spring semester (d); offered Fall semester.

EDU 355 EDUCATION METHODS AND MATERIALS: SOCIAL STUDIES

This course provides study and application of methods and materials appropriate for the teaching of social studies in an elementary classroom setting. Two credit hours. Prerequisite: Junior standing in Elementary Education. Offered Spring semester (d); offered Fall semester.

EDU 362 ADOLESCENT MATH WITH PRACTICUM

This course provides a foundation in current educational theory and practice for teaching Mathematics to middle and high school level students. Students will analyze the information and expectations of the New York State Education Department and accumulate a repertoire of materials, methods, and inclusive strategies to teach and assess standards based Mathematics for all learners across a range of learning styles. Additional attention will be paid to the psychology of math instruction and remediation for students having explicit difficulty with mathematics competencies. Students will design unit and lesson plans and assessments that align with the New York State Standards for Learning and the New York State Core Curriculum. The development of differentiated instructional planning, the use of curricular adaptations, technology, assessment, and instructional strategies intended to support learners with diverse learning needs will also be addressed.

This course will require that students complete fifty (50) of the total 100 hours required of off-campus practicum experiences in addition to time spent in class. Students should sign up for the practicum with the Office of Field Placement and Certification in the School of Education. Practicum contacts will be equally divided between middle and high school general and special education experiences. Prerequisites: EDU 360 or ESP 230.

EDU 363 ADOLESCENT SOCIAL STUDIES WITH PRACTICUM

This course provides students with a foundation in current educational theory and practice for teaching the social studies curriculum to middle and high school level students. Students will analyze the information and expectations of the New York State Education Department and accumulate a repertoire of materials, methods, and inclusive strategies to teach and assess standards based social studies for all learners across a range of learning styles. Students will design unit and lesson plans and assessments that align with the New York State Standards for Learning and the New York State Core Curriculum. The development of lesson and differentiated instructional planning, the use of curricular adaptations, technology, assessment, and instructional strategies intended to support learners with diverse learning needs will also be addressed. This course will require that students complete fifty (50) of the total 100 hours required of off-campus practicum experiences in addition to time spent in class. Students should sign up for the practicum with the Office of Field Placement and Certification in the School of Education. Practicum contacts will be equally divided between middle and high school general and special education experiences. Prerequisites: EDU 360 or ESP 230

EDU 364 ADOLESCENT ENGLISH WITH PRACTICUM

This course provides students with a foundation in current educational theory and practice for teaching English Language Arts to middle and high school level students. Students will

accumulate a repertoire of materials, methods, and inclusive strategies to teach and assess standards based English Language Arts for all learners across a range of learning styles. Additional attention will be paid to strategies to help remediate specific problems with reading and comprehension. Students will design unit and lesson plans and assessments that align with the New York State Standards for Learning and the New York State Core Curriculum. Students will also focus on the development of lesson and differentiated instructional planning, the use of curricular adaptations, technology, assessment, and instructional strategies intended to support learners with diverse learning needs.

This course will require that students complete fifty (50) of the total 100 hours required of off-campus practicum experiences in addition to time spent in class. Students should sign up for the practicum with the Office of Field Placement and Certification in the School of Education. Practicum contacts will be equally divided between middle and high school general and special education experiences. Prerequisites: EDU 360 or ESP 230.

EDU 370 METHODS OF LANGUAGE ARTS WITH CHILDREN'S LITERATURE BIRTH TO 6TH GRADE

This course provides study and application of methods and materials appropriate for English Language Arts in a classroom setting. Students will be familiarized with instructional methods used to accommodate diverse learners in Birth-2 and 1-6 classrooms. Using the conceptual framework of balanced literacy and reflective practice, they will plan, teach, and assess lessons in English Language Arts while integrating high quality children's and young adult literature. Lessons will be aligned with the New York State Learning Standards. A minimum of five (5) participation hours are required. Three (3) credit hours. EDU 210, EDU 223, EDU 240, EDU 241, EDU 242. Offered fall semester.

EDU 371 METHODS OF MATHEMATICS: BIRTH TO 6TH GRADE

The course provides study and application of methods and materials appropriate for the teaching of mathematics in the elementary school. Students will be familiarized with instructional methods used to accommodate diverse learners. They will plan, teach, and assess lessons in mathematics using differentiated learning techniques and Gardner's Multiple Intelligences. Students will design multi-level, culturally responsive instruction. The use of technology will be integrated into instruction. Lessons will be aligned with New York State Learning Standards for grades birth to 6. A minimum of five (5) participation hours are required. Three (3) credit hours. Prerequisites: EDU 210, EDU 223, EDU 240, EDU 241, EDU 242. Offered fall semester.

EDU 372 METHODS OF SCIENCE AND TECHNOLOGY BIRTH TO 6TH GRADE

This course provides study and application of methods and materials appropriate for the teaching of science and technology in early childhood and childhood classroom settings. Instructional methods that meet the needs of diverse learners will be utilized in class. Students will plan, teach, and assess from the perspective of practical application. Students will design multi-level, culturally responsive instruction. The use of technology will be intergraded into instruction. Lessons will be aligned with the New York State Learning Standards for grades birth

to sixth. A minimum of five (5) participation hours are required. Three (3) credit hours.
Prerequisites: EDU 210, EDU 223, EDU 240, EDU 241, EDU 242. Offered fall semester.

EDU 373 METHODS OF SOCIAL STUDIES AND CREATIVE ARTS BIRTH TO 6TH GRADE

This course provides study and application of methods and materials appropriate for the teaching of Social Studies and creative arts in a classroom setting for students from birth to grade 6. Students will plan, assess, and teach using the New York State Learning Standards. Students will design multi-level, culturally responsive instruction. The use of technology will be integrated into instruction. A minimum of five (5) participation hours are required. Three credit hours.
Prerequisites: EDU 210, EDU 223, EDU 240, EDU 241, EDU 242. Offered XXX semester.

EDU 377 JUNIOR PARTICIPATION AND SEMINARS

This course provides Education majors with pre-student teaching experience that will be both campus and site-based. The students will be assigned to two situations, one at each level of their certification: Childhood (Grades 1-5) or Middle Childhood (Grades 5-9). A professional portfolio and journal will be developed. Three credit hours. Prerequisites: EDU 233 or EDU 234 and a minimum 2.5 cumulative GPA. Offered every semester (d).

EDU 378 FIELD EXPERIENCES AND SEMINARS

This course provides Education majors with pre-student teaching experience that will be both campus and site-based. The students will be assigned experiences that relate to their certification levels: early Childhood (B-2), and Childhood (1-6). A professional portfolio and journal will be developed which includes reflective practice. Students will complete a minimum of one hundred (100) hours. Three credit hours. Prerequisites: All 100 and 200 level courses and a 2.5 cumulative GPA; or earned Baccalaureate Degree. Offered spring and fall semester.

EDU 398 SPECIAL TOPIC IN EDUCATION

(Topic to be specified each semester course offered.)

EDU 465 CONTENT AREA LITERACY

The students will explore the role of reading and writing in the content areas. Various methods and strategies for teaching and improving reading and writing in the content areas will be identified. Students will develop materials using various strategies for developing vocabulary, comprehension, and study skills in the content areas. Three credit hours. Prerequisite: EDU 233. Offered Spring semester (d); offered Fall semester.

EDU 466 CONTENT AREA LITERACY AND CHILDREN'S LITERATURE

The students will explore the role of reading and writing in the content areas. Various methods and strategies for teaching and improving reading and writing in the content areas will be researched and identified. Using the framework of a balanced literacy framework and reflective practice, students will use this knowledge to develop multi-level, culturally responsive instruction using various strategies for developing vocabulary, comprehension, and study skills in the content areas. The use of technology will be integrated into instruction. Lessons will be aligned

with New York State Learning Standards. Three credit hours. Prerequisites: EDU 210, 223, 240. Offered fall semester.

EDU 469 FOUNDATIONS OF EDUCATION

Provides the major block of work in educational theory; examination of current and anticipated educational trends from the sociological, philosophical, and historical perspectives. Three credit hours. Prerequisite: Senior standing in Elementary Education. Offered Spring semester; offered Fall semester.

EDU 477 STUDENT TEACHING /SEMINAR: CAREER AND OCCUPATIONAL STUDIES

This course provides students with on-site experience. Students will be assigned two situations, one at each level of their certification: Childhood (primary/intermediate levels) or Middle Childhood (intermediate/middle school levels). A professional portfolio and journal will be completed. Students will also, through seminars, become familiar with the New York State Learning Standards for Career Development and Occupational Studies. Twelve credit hours. Prerequisite: EDU 350, EDU 351, EDU 352, EDU 353, EDU 354, EDU 355, and a minimum 2.5 cumulative GPA. Offered every semester (d).

EDU 478 STUDENT TEACHING (B-6) AND SEMINARS: CAREER AND OCCUPATIONAL STUDIES

This course provides students will on-site experience. The student will be assigned three situations, Early childhood (B-2), Childhood (1-6) primary and intermediate levels. A professional portfolio and journal will be completed. Students will gain experience in using the New York State Learning Standards in each of the academic and content areas. Students will also, though seminars, become familiar with the New York State Learning Standards for Career Development and Occupational Studies. A minimum of forty (40) days of student teaching is required. Twelve credit hours. Prerequisites: All EDU 100, 200, and 300 level courses and a 2.5 cumulative GPA. Offered fall/spring semester.

EDU 489 TEACHING ADOLESCENTS IN SECONDARY SCHOOLS

This course provides students with the opportunity to discuss their concerns about the student-teaching experience during their full-time on-site placements in intermediate and commencement-level classrooms. Students will reflect upon their experiences and share their observations and interactions with their classmates and their supervising professor. By the end of this course, students will have completed their professional electronic portfolios, which they had begun at the start of the program and have been assembling throughout their coursework, by providing additional material evidence of personal scholarship, professionalism, leadership, and service complete with pedagogical rationale. One (1) credit hour. Prerequisites: 2.5 cumulative GPA, 3.0 GPA in all teaching adolescents courses, EDU 361 or EDU362 or EDU 363 or EDU 364.

EDU 498 INDEPENDENT STUDY IN EDUCATION

ENGLISH

NOTE: All new students entering the College are required to take ENG 100, ENG 110, and ENG 200 within their first 45 credits at Medaille. Transfer students with more than 45 credits already completed should complete these courses as soon as possible.

ENG 100 COLLEGE WRITING I

This course introduces students to the process of writing they will need for success in College. It increases students' abilities to communicate confidently with others, to think clearly, and to organize ideas. Pre-writing, drafting, revising, and editing are emphasized. Students will produce a portfolio of their writings including a self assessment. Three credit hours (3). This course is required for and limited to all students who place within the specified range on the placement test. Offered every semester.

ENG 110 COLLEGE WRITING II

This course develops students' abilities to write effectively in College. It assists students to make judgments regarding content within their own writing, particularly when utilizing researched sources. It also emphasizes organization, structure, revision, and mechanics. Students will produce a portfolio of their written work, including a self assessment. Three credit hours (3). Prerequisite: ENG 100 or suitable score on the writing assessment. Offered every semester.

ENG 200 ANALYTICAL WRITING

This course is designed to follow ENG 110. It develops students' skills in critical thinking and in writing analyses, using subject matter from across the curriculum. Each writing assignment requires research and writing from sources. Students will produce a portfolio of their written work, including a self assessment. Three credit hours (3). Prerequisite: ENG 110 or its equivalent in transfer credits. Offered every semester.

ENG 205 INTRODUCTION TO LITERATURE

This course introduces students to the basic literary forms, techniques and processes used in poetry, drama and the short story, as well as to some of their classical origins. In addition to selections from European and American literature, students will read selected classical and religious texts that have contributed to the development of Western Literature. Three credit hours (3). Prerequisite: None. Offered every semester.

ENG 210 INTRODUCTION TO CREATIVE WRITING

This course introduces students to the tools and techniques needed to compose different types of creative writing, including fiction, poetry, drama and, at the discretion of the instructor, perhaps one other genre such as creative non-fiction or the personal essay. This course also is designed to help students learn how to express idea, emotion, and other experiences in language through traditional, contemporary, and experimental forms of stories, poems, plays, and essays. This course also will help build students' confidence in the oral performance of their creative writing and provide them knowledge about how to publish their own work. Three credit hours (3). Prerequisite: GEN 110. Offered Spring semester.

ENG 215 INTRODUCTION TO WORLD LITERATURE

This survey course is designed to introduce students to representative works (short stories, poems and plays) of world literature. Three credit hours (3). Prerequisite: None. Offered Spring semester.

ENG 260 BUSINESS AND PROFESSIONAL WRITING

This course explores the different types of business and professional writing, helping students to recognize the variety of career options for and responsibilities of professional and business writers and the most important resources in the field. Students review and learn how most effectively to implement the basic grammar and usage rules they have studied in other courses, as well as how to incorporate graphs, pictures, and other visual information effectively into their written texts. Students also investigate the necessary relationship between audience and style, and the ethical implications of business and professional forms of communication, while learning how to apply persuasive writing strategies to different professional contexts. Students produce a portfolio in both print and web-based media that will include a resume, letters, memoranda, brochures, instructions, and short reports. Three credit hours (3). Prerequisite: ENG 200. Offered Spring semester.

ENG 270 ARGUMENTATION AND PERSUASION

This course offers a detailed study of the principles employed in effective written arguments and persuasive pieces. The course will familiarize students with the tools and techniques of persuasion, and place special emphasis on the nature of argument. Practical application of the art of persuasion in the professional world will be included. The course will provide extensive writing practice. Three credit hours (3). Prerequisites: ENG 200 and PHI 200. Offered as needed.

ENG 298 SPECIAL TOPICS IN ENGLISH

Topic specified each semester course offered. Three credit hours (3). Prerequisites: ENG 200 or higher. Offered as needed.

ENG 300 FICTION WORKSHOP

This course helps the student to focus his/her creative ideas and thoughts and write short pieces of fiction with a view toward entering contests, freelancing his/her work and other areas of publication. The student through actual writing of short stories will come to a better awareness and appreciation of the short story as an art form. Three credit hours (3). Prerequisite: ENG 200. Offered Fall semester.

ENG 305 BRITISH LITERATURE: MIDDLE AGES TO THE EIGHTEENTH CENTURY

This course surveys selected major authors from the Middle Ages through the Restoration and early 18th century. Emphasis of the course is on major authors, the historical contexts of literary production and reception, and the historical development of the English language. Three credit hours (3). Prerequisite: Any 200-level literature courses. Offered Fall semester.

ENG 310 POETRY WORKSHOP

This course is designed to introduce the student to the tools and techniques needed for writing poetry. It is a course in the creative expression of thought and idea combined with the discipline of learning traditional, contemporary, and experimental forms of poetry. It is also designed to give the student confidence in oral reading of poetry and knowledge of how to publish. Three credit hours (3). Prerequisite: ENG 200. Offered Spring semester.

ENG 315 BRITISH LITERATURE: LATE EIGHTEENTH CENTURY THROUGH THE TWENTIETH CENTURY

This course surveys selected major authors from the Romantic Period through the 20th century. Emphasis of the course is both on major authors and the historical development of literary traditions. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered Spring semester.

ENG 320 DRAMA WORKSHOP

This course will provide a practical introduction to writing for the stage. It will include a study of dramatic structure, character, themes, and theatrical devices. Through experiential activities, students will gain an appreciation for issues such as the effective use of space, movement, light, dialogue, and sound. Students will write exercises or short scenes every week, and that writing will become the basis of a one-act play, which will be the final project. Three credit hours (3). Prerequisite: ENG 200. Offered Fall semester.

ENG 325 AMERICAN LITERATURE: COLONIAL TO THE CIVIL WAR

This course is an intensive critical study of American literature beginning with texts of the New World exploration and settlement up until the Civil War, inclusive of Native American oral literature. Emphasis in the course is on both individual works and literary/historical traditions. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered Fall semester.

ENG 330 PRELUDE PRACTICUM I

This course introduces students to the tools and strategies needed to publish the Prelude, Medaille's creative arts journal. This course will help students learn how to obtain submissions for publication, set up editorial criteria for selection of submissions, notify authors about selection or rejection of their submissions, and create a story board for format and layout of the journal. This course also will help students learn how to edit selected copy and how to organize, publicize, and implement campus and community readings or other events to encourage interest in and support for the Prelude. One and a half credit hours (1.5). Prerequisite: None. Offered Fall semester.

ENG 331 PRELUDE PRACTICUM II

This course helps students master the tools and strategies needed to complete desk-top publication of the Prelude, as well as a website. This course also is designed to help students learn how to edit and organize copy, as well as how to use desk-top publishing software to format and layout a book of poems, stories, and visual art. The course also helps students master the software

skills necessary to build a web-related materials for the Prelude. One and a half credit hours (1.5). Prerequisite: ENG 330. Offered Spring semester.

ENG 335 AMERICAN LITERATURE: CIVIL WAR THROUGH THE TWENTIETH CENTURY

This course is an intensive critical study of American literature from the start of the Civil War through the 20th century, emphasizing both individual works and literary/historical traditions. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered Spring semester.

ENG 345 FILM ART AND APPRECIATION

This course explores the development of film as an art form in its historical, political, and cultural contexts. Students learn to become active viewers of film through analysis of film technique, genre, and theory. Special emphasis is placed on the connections between cinematic "language" and the world of literature: not only because film and literature are closely linked in their use of narrative, but also because methods of literary analysis provide a useful avenue into film analysis. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered as needed.

ENG 355 MAJOR LITERARY FORMS

This courses studies one of the important forms of literature: drama, short story, novel, or poetry using representative examples. The course will include the history and development of the form as well as its nature and variety. A student may take the course more than once for credit under different literary forms. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered Fall semester.

ENG 360 ADVANCED REPORT AND PROPOSAL WRITING

This course teaches advanced critical thinking and writing skills for application in various academic disciplines and professional contexts. Students also learn how most effectively to produce professional and academic discipline specific texts that are print-ready, coherent, and cohesive. Students produce a portfolio in both print and web-based media that will include an advanced research report and a proposal. Three credit hours (3). Prerequisite: ENG 200. Offered Spring semester.

ENG 365 ETHNIC LITERATURE IN AMERICA

This course analyzes the literature of selected minority groups. The course will focus on the literature of African-Americans, Native Americans, Hispanics, and Jews. It will cover the cultural and historical heritage expressed through the literature as the vision of the minority experience in America and the more universal nature of the human condition. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered Spring semester.

ENG 370 TEACHING AND EVALUATING WRITING

This course is a study of modern approaches to the teaching of writing, emphasizing writing for practice, responding to writing, and developing practical tools for secondary school writing instruction. Coursework will include holistic scoring and portfolio evaluation. Three credit hours (3). Prerequisites: EDU 200, EDU 233 or 234, or by instructor permission. Offered as needed.

ENG 375 YOUNG ADULT LITERATURE

This course is a study of modern adolescent literature, which focuses primarily on novels, and includes poetry and drama, in the context of teaching middle and high school language arts. The course will examine the history, development, and genres of secondary school literature.

Three credit hours (3). Prerequisites: ENG 200, any 200-level Literature course, EDU 233 or 234, or by instructor permission. Offered as needed

ENG 398 SPECIAL TOPICS IN ENGLISH

Topic specified in each semester course offered. Three credit hours (3). Prerequisite: ENG 200 or higher. Offered as needed.

ENG 400 SENIOR PORTFOLIO

In this workshop, students with previous experience in writing for business, technical writing, and/or creative writing, learn how to write for publication. The class employs a workshop approach, whereby students are exposed to all types of writing and publication issues, while themselves choosing one area of writing in which to focus on publication. Students learn what manuscripts should look like, how to professionally submit them for publication, and how to identify markets and submit to internet publications. They will also learn about the business of publishing, about grants and contests, self-publishing options, and how to use revision to turn manuscripts into finished products. Three credit hours (3). Prerequisite: Any writing course 260 or above. Offered Spring semester.

ENG 405 THEMES AND TOPICS IN AMERICAN LITERATURE

This course analyzes selected themes or topics from American literature. A student may take this course more than once for credit under different themes/topics. Three credit hours (3).

Prerequisite: Any 200-level literature course. Offered Spring semester.

ENG 415 THEMES AND TOPICS IN BRITISH LITERATURE

This course provides an in-depth study of a specific theme or topic from British literature. A student may take this course more than once for credit under different themes/topics. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered Fall semester.

ENG 425 THEMES AND TOPICS IN WORLD LITERATURE

This course explores a significant theme or topic reflected in major literary works and/or authors from world literature. A student may take this course more than once for credit under different themes/topics. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered Spring semester.

ENG 435 MAJOR LITERARY FIGURES

This course provides an intensive study of the works of a major writer or a highly limited number of related authors. A student may take this course more than once for credit under different literary figures. Three credit hours (3). Prerequisite: Any 200-level literature course. Offered Fall semester.

ENG 460 LITERARY THEORY AND CRITICISM: ENGLISH SEMINAR

This course considers the history of literary theory and criticism from New Criticism through contemporary theoretical developments. Over the course of the semester, students will apply theoretical approaches to the analysis of literary works and other forms of creative expression. Students will also explore the relationship of literary theory and criticism to the construction and revision of literary canons. Three credit hours (3). Prerequisite: This course is restricted to English and Secondary Education majors. Other majors may enroll with special approval from department chairs. Offered Fall semester.

ENG 477 ENGLISH FIELD EXPERIENCE

In this field experience, students work with a local publication or in some other writing-based career employer. Skills practiced in the field experience are expected to be at a high-level of competence and difficulty, as well as approved by the Humanities Department Chairperson and/or appropriate Program Director. Three credit hours (3). Prerequisite: Any writing course 260 or above; and a minimum 2.0 cumulative GPA. Offered every semester.

ENG 498 INDEPENDENT STUDY IN ENGLISH

Topic developed by student and instructor for each semester offered. Three credit hours (3). Prerequisite: ENG 260 or above. Offered as needed.

FINANCIAL SERVICES

FNS 298 SPECIAL TOPIC IN FINANCIAL SERVICES

(Topic to be specified each semester course offered.)

FNS 301 INVESTMENT PLANNING

An examination of various investment opportunities with primary emphasis on equity and debt instruments (stocks and bonds). Other investments covered may include real estate, collectibles, precious metals and gems. Three credit hours. Prerequisite: FNS 201 or FNS 300. Offered Spring semester.

FNS 305 MONEY, BANKING AND MONETARY ECONOMICS

Study of money and the financial system. Particular attention given to the operation, function, and structure of the banking system and functions of central banking. The role of monetary theories, monetary management and the effectiveness of monetary policy is studied. Three credit hours. Prerequisites: ECO 201 and FNS 201. Offered Fall semester in odd numbered years.

FNS 310 FINANCIAL MARKETS AND INSTITUTIONS

A study of the operation of financial intermediaries and their role in the financial system. The operation of the capital and money markets, determinants and structure of interest rates and the regulation of the financial sector are also explored. Three credit hours. Prerequisite: FNS 201 or FNS 300. Offered Fall semester in even numbered years.

FNS 320 RETIREMENT PLANNING AND EMPLOYEE BENEFITS

This course provides an overview of the various qualified and non-qualified plans. A study is made of the following topics: personal tax-deferred retirement programs; qualified retirement plan design; government sponsored plans; group life, health and disability insurance; non-qualified deferred compensation; costs and funding requirements of federal laws; and tax considerations. Three credit hours. Prerequisite: FNS 201 or FNS 300. Offered Fall semester.

FNS 325 INSURANCE PLANNING

This course introduces the principles of risk management and insurance. Topics covered will include the identification of risk exposures; selecting appropriate risk management techniques; risk transfer through the use of life, health, casualty and liability insurance; basic insurance contracts; and an introduction to the insurance industry. Three credit hours. Prerequisite: FNS 201 or FNS 300. Offered Fall semester.

FNS 330 ESTATE PLANNING

This course studies the estate planning process. Topics included are: the fundamentals of federal estate and gift taxation; methods of exclusion and valuation; wills, intestacy, and the probate process; trusts; property ownership forms; charitable transfers; and business transfers. Three credit hours. Prerequisite: FNS 201 or FNS 300. Offered Spring semester.

FNS 340 REAL ESTATE LOANS: STRUCTURE AND ANALYSIS

A thorough consideration of real estate as a growing component of banks' loan portfolios. Course includes a specific investigation of various banks' loan policies, risk analysis, loan pricing and servicing, and other related topics. Construction lending is reviewed as well. Three credit hours. Prerequisite: FNS 305. Offered as needed.

FNS 377 FIELD EXPERIENCE I

This course provides the student with both observational and "hands-on" learning experience through participation in an internship, ideally in the specific area of the financial services field in which the student will be seeking employment. Students who are already on an established career path may enhance their visibility in the organization by completion of a special project related to their careers, subject to prior approval of the Director of Academic Field Placements. Three credit hours. Prerequisites: CIS 115, FNS 201, FNS 300, MKT 215, Junior standing, and a 2.0 cumulative GPA. Offered every semester.

FNS 398 SPECIAL TOPIC IN FINANCIAL SERVICES

(Topic to be specified each semester course offered.)

FNS 405 BANKING LAW AND REGULATION

This course deals with the general regulation of banking, bank holding companies and other financial institutions. Topics to be covered include bank failures, FDIC, antitrust litigation, bank mergers and commercial transactions. Three credit hours. Prerequisite: BUS 315. Offered as needed.

FNS 410 FINANCIAL STATEMENT AND CREDIT ANALYSIS

This course emphasizes the analytical skills necessary to successfully evaluate the credit worthiness of potential borrowers. The following topics will be covered in detail: ratio analysis, trend analysis, cash flow and liquidity analysis, loan pricing, and the structuring of loan agreements. Three credit hours. Prerequisites: ACC 350, FNS 301, and FNS 305. Offered as needed.

FNS 477 FIELD EXPERIENCE II

This is a continuation of the exposure completed in Field Experience I. The performance level of the assignment is expected to be higher than the Level I assignment. Students may again elect to complete a project related to their careers, but it must be demonstrative of a higher level competence and difficulty, and approved by the Director of Academic Field Placements. Three credit hours. Prerequisites: FNS 377, Senior standing, and a 2.0 cumulative GPA. Offered every semester.

FNS 498 INDEPENDENT STUDY IN FINANCIAL SERVICES

FRENCH

FRE 101 ELEMENTARY FRENCH I

This course will instruct the student in the basic grammatical structures of French. Special emphasis will be placed on oral skills. Vocabulary building and role playing, utilizing the spoken language in everyday situations, will be stressed. Three credit hours. Prerequisite: None. Offered as needed.

FRE 102 ELEMENTARY FRENCH II

A continuation of FRE 101. This course will instruct the student in more complex grammatical structures and vocabulary building while encouraging an increased degree of accuracy and control in the spoken language. Three credit hours. Prerequisite: FRE 101 or high school French. Offered as needed.

FRE 498 INDEPENDENT STUDY IN FRENCH

GENERAL EDUCATION

GEN 110 INTRODUCTION TO CRITICAL THOUGHT

Required of all first-time freshmen, as a cornerstone in Medaille's General Education Core curriculum, this course aims to introduce students to the fundamentals of critical thinking. Its coursework integrates basic critical thinking, argumentation, and related written and spoken communication lessons with the exploration and evaluation of significant ideas. Thus, the course specifically addresses some of the most important academic skills required not only for success in College, but also for open-minded and reflective inquiry, substantial understanding, and informed judgment. Three Credit Hours. Prerequisites: None. This course is required of all first-year students. Offered every semester.

GEN 220 A GLOBAL PERSPECTIVE ON COLONIAL NORTH AMERICA

This course examines the ways in which widely divergent cultures interacted and transformed each other and with specific environments in seventeenth and eighteenth century North America. The course uses historical, anthropological, social, economic, political, and other perspectives to assist students to develop more sophisticated understandings of the American past. Colonial North America is placed in the larger global context to understand how outside forces helped shape the region. Three credit hours. Prerequisites: GEN 110 and ENG 110. Offered every semester.

GEN 230 CREATIVE EXPRESSION

Through various topics and themes by section, this course explores forms of creative expression in visual, performing, and literary arts. Students will acquire abilities and perspectives about these arts and interrelationships among them. In addition, through exploring, developing, and demonstrating their creativity in one art form, students will enhance their understanding of artistic expression. A student may not take this course more than once for credit under different topics. Three credit hours. Prerequisites: GEN 110 and ENG 110. Offered every semester.

GEN 240 SCIENTIFIC DISCOVERY

The course engages students in an active inquiry into the process of scientific discovery: its methodology, development, relationship with technology, and role in modern society. By exploring aspects of scientific inquiry, students will develop a critical awareness of scientific and technological issues, methods, and processes. Three credit hours. Prerequisites: GEN 110 and ENG 110. Offered every semester. Note: Registration for both the lecture (GEN 240) and the lab (GEN 240 L) is required.

GEN 410 BACCALAUREATE CAPSTONE I

This first of two baccalaureate capstone courses is about ideas and the ways in which an educated person contends with them. The course deals in an integrative, interdisciplinary fashion with the five broad General Education themes: Self and Others, Global Perspectives, Creative Expression, Science and Technology, and Communication. The course invites students to engage in a sophisticated way with ideas and works that raise questions about and shed light upon contemporary life. Through the process of reading, reflection, writing, and discussion, students will be required to demonstrate the critical thinking and communication skills generally held to be the hallmark of the educated individual pursuing and enjoying an informed life. Three credit hours. Prerequisites: Junior standing and completion of all lower-level General Education requirements. Offered every semester.

GEN 411 BACCALAUREATE CAPSTONE II

This seminar course gives students the opportunity to integrate their course work with individual research projects. Each student is responsible for the production, presentation, and defense of a research paper which addresses a specific academic topic related to the College's General Education core. Research projects must demonstrate significant knowledge within the selected

topic area, an understanding of its place in an integrated intellectual framework, and a high level of skill development. Three credit hours. Prerequisite: GEN 410. Offered spring and fall semester.

GEOGRAPHY

GEO 110 PHYSICAL GEOGRAPHY

A general survey of the physical aspects of earth's environment including man's relationship to it. Three credit hours. Offered Fall semester (d); offered Fall semester in even numbered years.

GEO 310 CULTURAL GEOGRAPHY

A study of mankind with its diverse cultures, economies, settlement patterns, spatial arrangements within and between urban areas, including the use of models as a means of understanding spatial phenomena. Three credit hours. Prerequisite: ENG 110. Offered Fall semester (d); offered Fall semester in odd numbered years.

GEO 498 INDEPENDENT STUDY IN GEOGRAPHY

HISTORY

HIS 100 WESTERN CIVILIZATION

An introductory course designed to familiarize students with major historical issues from 1500 to the present. Three credit hours. Offered Fall semester (d); offered Spring semester.

HIS 101 WORLD CULTURES

World Cultures will examine various civilizations in Africa, Asia and what is today called the Middle East. Our foci of study will include the role and impact that trade, education, science, philosophy, technology, famine, and war have had on the rise and fall of civilizations in these geographic regions. Throughout, our concern will be the "differences" and "similarities" between civilizations, countries, and peoples of Africa, Asia, and the Middle East. Three credit hours. Offered Spring semester (d); offered Fall semester.

HIS 140 EARLY UNITED STATES HISTORY

The history of America from Colonial times to the Spanish American War. Emphasis will be placed on the Colonial development, American Revolution, the Civil War, and Reconstruction. Three credit hours. Offered Spring semester (d); offered Fall semester.

HIS 150 CONTEMPORARY UNITED STATES HISTORY

An exploration of American history from 1900 to the present. Three credit hours. Offered Fall semester.

HIS 200 AFRICAN-AMERICAN HISTORY

A comprehensive study of the historical impact of the Black community upon American society in the twentieth century. Three credit hours. Prerequisite: HIS 150 or SOC 100. Offered as needed.

HIS 298 SPECIAL TOPIC IN HISTORY

(Topic to be specified each semester course offered.)

HIS 310 URBAN HISTORY

A concentrated study of the development of American urban areas from Colonial times to the present. Three credit hours. Prerequisites: HIS 150 and SOC 100. Offered as needed.

HIS 315 HISTORY OF ETHNIC AMERICA

This course will focus on the history of various ethnic groups in America. This focus will include their historical roles, their socio-cultural perspectives and practices, and important historical and empowerment struggles involving education, employment, religion, language, the law, and organizing strategies for strengthening their ethnic group development so as to challenge, change, and expand America's pluralistic theory, principles, and practices. Three credit hours. Prerequisite: Junior standing. Offered Spring semester (d); offered Spring semester in odd numbered years.

HIS 360 THE SIXTIES: AN AGE OF REVOLUTIONS

This course examines the meaning behind the events and changes brought about during the decade of the 1960's. The political, social, and cultural movements of the decade are explored through the eyes of extraordinary and ordinary people. Three credit hours. Prerequisite: Junior standing. Offered as needed.

HIS 370 MYTH OF THE MELTING POT: A HISTORY OF AMERICAN RACISM AND PREJUDICE

An exploration of the manner in which immigrants and minority groups have been treated in American society; detailed analysis and discussion of historical documents, articles, and books. Three credit hours. Prerequisite: SOC 100. Offered as needed.

HIS 380 EUROPEAN HISTORY AND THE BERLIN WALL

A study of how the history of Europe in the twentieth century symbolically parallels the rise and fall of the Berlin Wall. Three credit hours. Prerequisite: Junior standing. Offered as needed.

HIS 390 HOLLYWOOD'S AMERICA: UNITED STATES HISTORY THROUGH MOVIES AND TELEVISION

A study of the American experience via movies and television against a backdrop of the United States' cultural life in the late nineteenth century to the last decade of the twentieth century. Three credit hours. Prerequisites: WRT 200, any two Social Science courses, and Junior standing. Offered as needed.

HIS 398 SPECIAL TOPIC IN HISTORY

(Topic to be specified each semester course offered.)

HIS 400 AMERICAN HISTORIOGRAPHY

This course will provide an in-depth immersion in to selected historical developments within the United States from colonial times to the present. Students will evaluate the zeitgeist of successive historical time frames and examine the interaction of cultural, political, social, economic, intellectual and technological issues leading to multiple and varied historical interpretations. Three credits. Prerequisites: HIS 140 and HIS 150. Offered: as needed.

HIS 401 THE HISTORY OF BUFFALO

A study of the historical, geographical, sociological, religious, political, and economic developments of Buffalo. Emphasis is to be placed on the period following the burning of the city during the War of 1812 to the present day. This course also will focus on the city as a resource for primary research. Three credit hours. Prerequisites: WRT 200 and Junior standing. Offered Fall semester (d).

HIS 402 THE HISTORY OF NEW YORK STATE

This course covers the Empire State from the early occupation to the present. Emphasis will be on historical, geographical, sociological, political, and economic developments. These will be viewed within a multicultural context. Three credit hours. Prerequisite: HIS 140 or HIS 150 or Junior standing. Offered Spring semester (d); offered Fall semester in odd numbered years.

HIS 410 WAR AND PEACE IN THE NUCLEAR AGE

This course examines the origins and evaluation of the nuclear competition between the United States and the Soviet Union and its impact upon the world. Three credit hours. Prerequisite: Junior standing. Offered Fall semester.

HIS 450 EARLY CONSTITUTIONAL CONFLICT

The history of the U.S. Constitution as a product of three hundred years of American legal and intellectual thought. Particular attention will be paid to those who wrote the Constitution, the philosophical influences on them, and the resulting debates at the Constitutional Convention. Three credit hours. Prerequisites: HIS 140 and POL 101. Offered as needed.

HIS 451 CONTEMPORARY CONSTITUTIONAL CONFLICT

The history of the Constitution from the post Civil War period to the present. Emphasis will be placed on Supreme Court decisions, how they affected reform movements, civil rights and civil liberties. Three credit hours. Prerequisites: HIS 150 and POL 101. Offered as needed.

HIS 456 HISTORICAL ISSUES

(Topic to be specified each semester course offered) This course allows the social science group in the liberal arts division to offer specialty courses that are not included in our regular course offerings. Included are various histories of Asia, Africa, Latin America, Europe, Americas, United States and the Middle East. A student may take this course more than once for credit under different topics. Three credit hours. Prerequisite: Junior standing. Offered Spring semester.

HIS 498 INDEPENDENT STUDY IN HISTORY

HUMANITIES

HUM 201 LITERACY IN THE VIRTUAL WORLD: INTRODUCTION TO NEW MEDIA

This course analyzes the forces that keep increasing the demand for verbal, visual, and aural communication skills. The course examines the past, present, and future of information literacy,

especially applications of emerging technology in human communication. Hands-on studio work will illuminate the promise and perils of networked intelligence while developing communication skills. Three credit hours. Prerequisite: ENG 110. Offered as needed.

HUM 298 SPECIAL TOPIC IN HUMANITIES

(Topic to be specified each semester course offered.)

HUM 300 LITERATURE AND THE ARTS

A study of the interrelationship between literature and the various arts: visual art, music, and theatre which make up the humanities discipline. Three credit hours. Prerequisite: ENG 110. Offered Fall semester.

HUM 398 SPECIAL TOPIC IN HUMANITIES

(Topic to be specified each semester course offered.)

HUM 400 PHILOSOPHY AND LITERATURE

The consideration of selected topics and themes drawn from literature and seen from a corresponding philosophical viewpoint. Three credit hours. Prerequisites: ENG 110 and a philosophy course. Offered as needed.

HUM 498 INDEPENDENT STUDY IN HUMANITIES

INTERDISCIPLINARY STUDIES

INT 101 LEARNING IN COLLEGE

This course helps students understand the purpose and expectations of a liberal College education. In addition to giving students knowledge of and practice in academic success strategies, INT 101 provides students with opportunities to use campus resources, participate in the life of the campus, and appreciate the benefits of a diverse community. Your instructor for this course will serve as your mentor during your first year. This course is offered only to first-time freshmen on a S/U basis, and it may not be repeated. No prerequisite. One credit hour. Offered Fall semester.

INT 240 ISSUES AND PROBLEMS IN HUMAN SEXUALITY

The course presents the major empirical findings in broad content areas of human sexuality. This course may be taken as a Child and Youth Services elective, a Human Services elective, a Liberal Arts and Sciences elective, or a free elective. Three credit hours. Prerequisites: none. Offered as needed.

INT 275 DEATH, GRIEF, LOSS AND CHANGE

This course is designed to acquaint students with death and dying in order to develop skills in coping with grief, loss, life changes, suicide, guilt, and death for themselves and in dealing with others. This course may be used as either a liberal arts and sciences elective or a free elective. Three credit hours. Offered as needed.

MANAGEMENT

MGT 175 MANAGEMENT CONCEPTS AND COMMUNICATION

This course surveys management as a universal function including planning, organizing, motivation, leadership, and control. Special attention will be given to ethical, socially responsible management practices needed in today's globally networked organizations. Using business technology resources, students will develop the professional skills necessary to effectively analyze and present data and other information through networked media. They will demonstrate their competencies via presentations. Three credit hours. Prerequisite: ENG 110 or ENG 200. Offered Fall semester.

MGT 220 PRINCIPLES OF MARKETING

This is an introductory course which shows the importance of marketing to all organizations as well as the role marketing plays in our lives. The course covers the traditional market mix components of product, distribution, promotion and price all in the context of the marketing concept. Target marketing, market research and marketing ethics are also discussed. Three credit hours. Prerequisite: ENG 110.

MGT 230 HUMAN RESOURCES MANAGEMENT

This course examines the functions of human resource management within a business environment. Emphasis is placed upon the effective management of employees as a means of achieving organizational goals. Topics to be covered include the legal environment of human resources, planning and forecasting personnel needs, recruitment and employee selection, performance evaluation, employee motivational strategies, training and development, benefits management, compensation analysis and administration, labor relations in a union environment, safety and health, and employee termination. Prerequisite: ENG 110

MGT 299 BUSINESS LAW I

This course is intended to acquaint the student with the development of the law and legal reasoning. Students become familiar with legal terminology and concepts and the impact existing law has on business decision making. Topics covered in the course include: an overview of the American legal system, Federal and State courts, constitutional law, business torts, crimes, contracts and the law of sales. Three credit hours.

MGT 298 SPECIAL TOPIC IN MANAGEMENT

(Topic to be specified each semester course offered).

MGT 301 MANAGERIAL ANALYSIS AND DECISION MAKING

This course gives an in-depth look at various quantitative analytical techniques encountered in analyzing managerial problems and making effective decisions. Topics include linear programming, sensitivity analysis, Economic Order Quantity (EOQ) models, Reorder Point (ROP) analysis, production lot-sizing, Material Requirement Planning (MRP), the just-in-time system,

decision criteria, and creative problem solving techniques. Three credit hours. Prerequisites: ECO 260 or 262. Offered Spring semester.

MGT 302 OPERATIONS MANAGEMENT

This course provides a basic overview of the operational and managerial issues encountered in the production of goods and services. Topics include production and inventory control, investment decision making, capacity planning, logistics and transportation systems, facilities selection and layout, design, work methods, quality control, and Japanese and other contemporary methods of manufacturing. Students will be introduced to the use of quantitative techniques as decision tools for operations managers. Three credit hours. Prerequisites: ECO 260 or ECO 262 and Junior standing. Offered Fall semester.

MGT 304 BUSINESS LAW II

This course continues the introduction of the business student to the various forms of business organizations and also emphasizes the laws of commercial paper and banking. Debtor/creditor rights and responsibilities are explored along with the rights of landlord and tenants. Topics covered include: franchises, sole proprietorships, partnerships, corporations, checks and the banking system, secured transactions, creditor's rights and real property. Three credit hours. Prerequisite: Junior standing.

MGT 305 MANAGEMENT SCIENCE

This course gives an in-depth look at various quantitative analytical techniques encountered in analyzing managerial problems and making effective decisions. The major topics include: linear programming, transportation, assignment, network models, project management, and decision analysis. Application of these techniques in functional areas such as production, marketing, finance, and accounting are covered. Three credit hours. Prerequisites: ECO 260 or ECO 262 and Junior standing. Offered as needed.

MGT 310 MARKETING MANAGEMENT AND STRATEGY

Marketing management and strategy is a concise and practical management guide to the latest ideas in marketing and strategy. In this course students will learn to ascertain market needs and to strategically plan to fill those needs while serving an increasingly diverse population. Topics will include: market analysis and measurement, competitive analysis, product strategy, promotion strategy, distribution strategy and pricing strategies for both domestic and foreign markets. Prerequisites: MGT220 and Junior standing

MGT 320 ORGANIZATIONAL LEADERSHIP

This course introduces students to various ideas about what leadership is, how it is practiced and how it impacts organizational performance. This will be accomplished through a comprehensive coverage of the important advances in theory, research and applications within the realm of leadership. Furthermore, the course will provide numerous managerial examples and examine leadership in the context of typical problems that confront managers. To the management student, this course offers an opportunity to examine barriers to and opportunities for improving

managerial effectiveness. It is intended to serve as a catalyst for students to think and dialogue about leaders and the leadership process, and offers the student an opportunity to examine their own leadership characteristics and styles. Incidents, case studies, and exercises will help students apply their understanding of the leadership literature and to work on the development of analytical and problem solving skills. Three credit hours. Prerequisite: Junior standing. Offered as needed.

MGT 330 NEW VENTURE CREATION

This course studies the role of the entrepreneur and the small business. It concentrates on the considerations and tasks involved in starting and running a new business. Three credit hours. Prerequisites: ACC 102, MGT 175 and MGT 220. Offered Fall semester in even numbered years.

MGT 335 ORGANIZATIONAL BEHAVIOR

This course is designed to enrich student's understanding of behavior in organizations. Course study draws on the behavioral and social sciences to explore organizational phenomena in terms of individuals, groups, and total organizational systems. The course stresses the role leadership plays in creating effective organizations, meeting employee needs, managing power relationships, and revealing meaning in contemporary organizations. Three credit hours. Prerequisite: HRS 140 or MGT 175. Offered Fall semester.

MGT 340 FINANCIAL MANAGEMENT

This course seeks to develop the theoretical and practical uses of financial management principles including the concepts of risk, return and value. Coverage includes financial statement analysis, forecasting, working capital management, capital budgeting and long-term financing strategies. Three credit hours. Prerequisite: ACC 101. Offered Spring semester.

MGT 377 FIELD EXPERIENCE I

This course provides the student with both observational and "hands-on" learning experience through participation in an internship, ideally in the field in which the student will be seeking employment. Students who are already on an established career path may enhance their visibility in the organization by completion of a special project related to their careers, subject to prior instructor approval. Prerequisites: MGT 175, MGT 220, MGT 335, MGT 340, Junior Standing and a 2.0 Cumulative GPA

MGT 398 SPECIAL TOPIC IN MANAGEMENT

(Topic to be specified each semester course offered).

MGT 400 FINANCIAL PLANNING

This course provides an overview of the financial planning process. It introduces the legal, ethical, and regulatory issues affecting financial planners, as well as the following topics in financial planning: analyzing a client's financial situation, capital accumulation methods, risk management, tax management, and investment management. Three credit hours. Prerequisite: ACC 101. Offered Fall semester.

MGT 410 ORGANIZATION DEVELOPMENT AND CHANGE

This course explores the technologies of organization development primarily for the manager, secondarily for the leader, consultant and/or administrator. It is directed at understanding organizational intervention technologies and how to decide which of them might be most appropriate to a particular goal or need. It relates enhanced capability, improved performance, increased integration or heightened adaptability of an organization. This course is designed for prospective general managers who are likely to be participants in steering developmental change projects, for those managers who might work with OD specialists as clients and collaborators, and for those who wish to take a first step toward obtaining professional expertise in the practice of OD consultation. Three credit hours. Prerequisites: Junior standing. Offered as needed.

MGT 415 DIVERSITY IN ORGANIZATIONS

Management success in the 21st century requires an increased ability to lead people in diverse organizations, and a greater sensitivity to differences-and similarities-in a changing workplace and customer base. This course builds awareness of the developing issues relating to diversity and inclusion, and enables students to develop skills for success in the work environment. Students will explore both visible and invisible dimensions of diversity including Race, Gender, Ethnicity, Age, Religion, Cultural Background, Sexual Orientation, Education, Disabilities, and others. The course draws on research and practice from various disciplines including psychology, leadership, human resource management, law, anthropology and sociology. Three credit hours. Prerequisites: Junior Standing. Offered as needed.

MGT 420 POLICY AND STRATEGY: CASE STUDIES

In the first half of this course, the concept of strategy will be thoroughly presented. Students will study the strategic management process so that in the second half of the course they will be able to fully analyze actual cases in strategic management. These cases will be drawn from all types of business and organizational situations. Three credit hours. Prerequisite: 21 credits of business core. Offered Spring semester in odd numbered years.

MGT 477 FIELD EXPERIENCE II

This is a continuation of the business exposure completed in the Field Experience I. A minimum of 120 work hours is required, but the performance level of the assignment is expected to be higher than the level I assignment. Students may again elect to complete a project related to their careers, but it must be demonstrative of a higher level competence and difficulty, and approved by the program chairperson. Prerequisites: MGT 377, Senior Standing, and 2.0 Cumulative GPA.

MGT 498 INDEPENDENT STUDY IN MANAGEMENT

MANAGEMENT INFORMATION SYSTEMS

MIS 240 MANAGEMENT INFORMATION SYSTEMS

This course introduces students to basic computing concepts and various business-oriented

software applications. Hands-on software instructions are designed to emphasize fundamental aspects in managerial statistics and database development. The course will discuss information technology from the perspective of its potential impact upon competitive strategy and organizational operations. Students will be required to attend computer lab sessions to practice concepts learned in lectures. Three credit hours. Prerequisite: CIS 115; or Windows skills and computer file management. Offered Spring semester.

MIS 300 DATABASE DEVELOPMENT

Introduction to database concepts and development with an emphasis on structuring, navigating, and querying databases using host languages. Discussion and application of data structures, indexed and direct file organizations, models of data including hierarchical, network and relational. Discussion of storage devices, data administration and data analysis, design and implementation. Three credit hours. Prerequisites: CIS 160 or CIS 170 or CIS 180; and CIS 250. Offered Fall semester.

MIS 330 DATA COMMUNICATIONS AND NETWORKS

This course provides an overview of the telecommunications industry today. It provides background and applications which a computer information systems or business major would find valuable for local area network administration. Three credit hours. Prerequisite: CIS 115 or CIS 120. Offered Spring semester.

MIS 335 DECISION SUPPORT SYSTEMS

This course discusses the key technical and managerial issues in the effective development and use of decision support systems (DSS) in organizations. Decision support implies the use of computers to assist managers in their decision processes, support rather than replace managerial judgment; and improve effectiveness of decision making rather than just its efficiency. The course covers the tools, techniques, and theory of DSS and how they can be used to improve the quality of management decisions. Three credit hours. Prerequisites: MIS 300 and MIS 330. Offered Spring semester in odd numbered years.

MIS 377 Field Experience I

This course provides the student with both observational and "hands-on" learning experience through participation in an internship within the MIS field. Students who are already on an established career path may enhance their visibility in the organization by completion of a special project related to their careers, subject to prior instructor approval. Three credit hours. Prerequisites: MGT 175, MGT 220, MGT 330, MGT 340, Junior Standing and a 2.0 Cumulative GPA

MIS 400 SYSTEMS ANALYSIS AND DESIGN

This course introduces students to the analysis and design of computer-based information systems and major computer applications. The systems development life cycle is studied. Topics include the tools and techniques of system studies, problem definition, requirements analysis, feasibility study, systems design, implementation, and systems operation and support. A portion

of the course is devoted to a computer aided software engineering (CASE) tool. Three credit hours. Prerequisites: MIS 300 and MIS 330. Offered Fall semester.

MARKETING

MKT 215 SALESMANSHIP

An exploration of the sales function in an organization. This course will show the importance of sales and how the sales function relates to the overall market concept. Students will also be introduced to the basic sales process as well as the skills needed in a selling situation. Three credit hours. Offered Spring semester.

MKT 298 SPECIAL TOPIC IN MARKETING

(Topic to be specified each semester course offered.)

MKT 310 BUSINESS ADVERTISING AND PROMOTION

The purpose of this course is to acquaint students with the methods and decision making process in developing an integrated strategy involving advertising, promotions and publicity and the interrelatedness between these three specific areas. Three credit hours. Prerequisite: MGT 220. Offered Fall semester.

MKT 312 CONSUMER BEHAVIOR

To study the factors that determine what, when, how, where, and why consumers purchase and use goods and services. Three credit hours. Prerequisites: PSY 100. Offered as needed.

MKT 320 INDUSTRIAL AND ORGANIZATIONAL MARKETING

This course offers an in-depth look at the marketing process as it applies to the industrial and organizational segment of the market. Emphasis is placed on how the industrial organizational segment differs from the consumer segment in their buying behavior. Specific attention will be given to the elements of the market mix as they are used to target the organizational buyer. Three credit hours. Prerequisite: MGT 200. Offered Fall semester in even numbered years.

MKT 340 DIRECT AND INTERACTIVE MARKETING

Students will be introduced to the scope of direct and interactive marketing, including mail order, lead generation, circulation, relationship/loyalty programs, store building, fund raising, pre-selling, post-selling and research. The course includes a grounding in all major direct marketing media: direct mail, broadcast, electronic, print advertising, telemarketing, inserts and video. The measurability and accountability of direct marketing and its relationship to the total marketing mix are stressed. Three credit hours. Prerequisites: MGT 220 and ECO 260 or ECO 262. Offered Spring semester in even numbered years.

MKT 398 SPECIAL TOPIC IN MARKETING

(Topic to be specified each semester course offered.)

MKT 425 MARKET RESEARCH AND SURVEY

This course provides an in-depth understanding of market research techniques. It examines how

the different research methods can be utilized to enhance and create effective marketing and communication programs. Three credit hours. Prerequisite: MGT 220. Offered Fall semester in odd numbered years.

MKT 498 INDEPENDENT STUDY IN MARKETING

MATHEMATICS

MAT 100 FUNDAMENTALS OF MATHEMATICS

An introductory mathematics course including topics basic to the foundations of algebra: rational numbers and integers; equations; ratio, proportion, and percents; and problem solving. Three credit hours. This course is required for and limited to all students who place within the specified range on the placement test. Offered every semester.

MAT 110 INTRODUCTION TO ALGEBRA

A study of the structure of algebra, including numbers and their properties, exponents, equations, polynomials, functions, and graphs. Three credit hours. Prerequisite: MAT 100 or placement. Offered every semester.

MAT 112 MATHEMATICS FOR THE SCIENCES

This course emphasizes the mathematical concepts and skills used in the science fields. Topics covered include fractions, percentage, the metric system, dimensional analysis, scientific notation, unit conversions, equations, graphs, and logarithms. Three credit hours. Offered every semester.

MAT 114 INTERMEDIATE ALGEBRA

Intermediate Algebra assumes proficiency with the techniques of basic algebra. The course includes study of the algebra of functions, rational functions, solving and graphing non-linear functions, inequalities, and the complex number system. Additional topics such as matrices, sequences and series, or conic sections may be covered at the discretion of the instructor. Three credit hours. Prerequisite: MAT 110 or placement. Course may not be taken out of sequence. Offered every semester.

MAT 115 PRE-CALCULUS

This course combines pertinent topics from intermediate algebra and trigonometry that are necessary as fundamentals to master subsequent course study in calculus. Three credit hours. Prerequisite: MAT 114 or placement. Course may not be taken out of sequence. Offered every semester.

MAT 125 CONCEPTS IN MATHEMATICS

This course introduces a range of topics from mathematics: set theory, numeration systems, number theory, geometry, and probability and statistics. It is designed for prospective elementary school teachers and for students seeking a broader understanding of the field of mathematics.

Three credit hours. Prerequisite: Completion of MAT 110 or higher placement. Offered Spring semester.

MAT 151 COLLEGE GEOMETRY & TRIGONOMETRY

This course is an introductory study of the structures of Geometry and Trigonometry. Topics covered will include Trigonometric Functions, Complex Numbers, Constructions, Symbolic Logics and Proofs, Synthetic and Metric Axioms, Circles, and Analytic Geometry. Three credit hours. Prerequisite: MAT 114 or higher placement. Offered fall semester.

MAT 182 DISCRETE MATHEMATICS

This course is an introduction to non-continuous mathematics. Topics will include Logic, Proof, Matrices, Linear Programming, Counting, and Functions. Three credit hours. Offered spring semester. Prerequisite: MAT 115 or higher placement.

MAT 201 STATISTICS AND SOCIETY

An introduction to data collection and interpretation, measurement, variability, survey and experiment design, statistical summarization, and statistical inference. Three credit hours. Prerequisite: Completion of MAT 110 or higher placement. Offered every semester.

MAT 216 SURVEY OF INTRODUCTORY CALCULUS AND ITS APPLICATIONS

This course introduces the techniques of differential and integral calculus and illustrates these ideas with practical applications from the social, managerial, and life sciences with special emphasis on business and economics. Three credit hours. Prerequisite: MAT 115 or placement. Course may not be taken out of sequence. Offered every semester.

MAT 242 LINEAR ALGEBRA

This course is an introduction to linear algebra. The topics covered will include Systems of Linear Equations, Vectors and Vector Spaces, Linear Transformations, Linear Dependence, Matrices, Determinants, Basis and Dimensions, Eigenvectors and Invariant Spaces. Three credit hours. Prerequisite: MAT 251 or MAT 216. Offered fall semester.

MAT 250 OPERATIONS ANALYSIS AND MODELING

This course is an introduction to the modeling of certain operational features common to business and information systems management. The focus will be on scheduling models, allocation models, queuing models, and inventory models. The models will provide mathematical information which can be used in the decision-making processes needed to solve large-scale problems. Emphasis is on problem formulation and experimentation with "naive" methods of solution; microcomputer software will be used to solve problems representative of the real world.

Three credit hours. Prerequisites: Completion of MAT 114 or higher placement; and CIS 115 or CIS 120. Offered Spring semester.

MAT 251 CALCULUS I

Calculus I is the first course of a three semester sequence in Calculus, covering differentiation with applications, including transcendental functions. Three hours of lecture and one hour of lab/recitation per week. Three credit hours. Prerequisite: MAT 115 or higher placement. Offered fall semester. Note: Registration for both the lecture (MAT 251) and the lab (MAT 251L) is required.

MAT 252 CALCULUS II

Calculus II is the second of a three course sequence in Calculus. The course covers integration, including transcendental functions, methods of integration, sequences, and series with applications. Three hours of lecture and one hour of lab/recitation per week. Three credit hours. Prerequisite: MAT 251 or MAT216, minimum grade of B recommended for either. Offered spring semester. Note: Registration for both the lecture (MAT 252) and the lab (MAT 252L) is required.

MAT 255 THEORY OF NUMBERS

This course is an introduction to the theory of numbers. Topics will include Prime Numbers, Divisibility, Congruences, Powers of an Integer Modulo m , Quadratic Reciprocity, Greater Integer Function, and Diophantine Functions. Three credit hours. Prerequisites: MAT 115 or higher placement or MAT 151. Offered spring semester.

MAT 261 CALCULUS III

Calculus III extends the concepts of calculus in one variable to the calculus of several variables. Course topics include: vectors in the plane and space; 3-dimensional coordinate system; vector-valued functions; differential geometry; partial differentiation; and multivariable calculus. Three credit hours. Prerequisite: MAT 252. Offered fall semester. Note: Registration for both the lecture (MAT 261) and the lab (MAT 261L) is required.

MAT 298 SPECIAL TOPIC IN MATHEMATICS

(Topic to be specified each semester course offered.)

MAT 342 ABSTRACT ALGEBRA

The main goal of this course is to expose the student to the abstract concepts of algebra. The topics include sets, relations, mappings, groups, rings, isomorphism, homomorphism, polynomial ring, ideal, vector spaces, and linear independence. Three credit hours. Prerequisites: MAT 242 and MAT 255. Offered fall semester.

MAT 361 DIFFERENTIAL EQUATIONS

A first course in ordinary differential equations from analytic, geometric, numeric, and applied perspectives (including the use of modern computational technology as appropriate). Topics include exact, separable, and linear equations; initial-value and boundary-value problems; system of first-order equations; undetermined coefficients; variation of parameters; and series solutions. Three credit hours. Prerequisites: MAT 261 and 242. Offered spring semester. Note: Registration for both the lecture (MAT 361) and the lab (MAT 361L) is required.

MAT 381 STATISTICS AND PROBABILITY I

This course introduces students to descriptive statistics, elementary probability theory and counting techniques, random variables, probability distributions, normal distributions, confidence intervals and hypothesis testing. The topics of the course will be presented at a level of depth that is appropriate to mathematics majors. Students will also learn to apply technology to problem solving in statistics. Three credit hours. Prerequisite MAT 115 or higher placement. Offered fall semester.

Note: Registration for both lecture (MAT 381) and lab (MAT 381L) is required.

MAT 382 STATISTICS AND PROBABILITY II

This course focuses on the process of statistical inference, presenting confidence intervals and hypothesis testing for two populations, chi-square procedures, linear and nonlinear regression, and one-way analysis of variance. The topics of the course will be presented at a level of depth that is appropriate to mathematics majors. Students will also apply technology to problem solving in statistics. Three credit hours. Prerequisite: MAT 381, or MAT201, minimum of grade B recommended. Offered spring semester. Note: Registration for both lecture (MAT 382) and lab (MAT 382L) is required.

MAT 398 SPECIAL TOPIC IN MATHEMATICS

(Topic to be specified each semester course offered.)

MAT 421 REAL VARIABLES

This course will present the formal concepts of calculus. The topics include real numbers, one variable functions, continuity, derivatives, Riemann integral, and infinite series. Three credit hours. Prerequisites: MAT 255 and MAT 261. Offered fall semester.

MAT 442 COMPLEX ANALYSIS

This course will expose the students to the useful concepts of complex numbers, complex functions and their applications. The topic includes complex number, complex plane, analytic functions, their derivatives, Cauchy integral theorem, Cauchy-Riemann differential equations, power series, and residues. 3 credits. Prerequisites: MAT 342 and 421. Offered fall semester.

MAT 450 TOPOLOGY

This course will introduce the ideas of continuity, convergence, connectedness in a topological space, metric space, knot, manifold, and surface. Prerequisites: MAT 255 and MAT 261. 3 credits. Offered fall semester.

MAT 498 INDEPENDENT STUDY IN MATHEMATICS

MULTIMEDIA STUDIES

MMS 200 FUNDAMENTALS OF MULTIMEDIA

An introduction to the art of multimedia using photo-graphs, video, sound and animation. This course provides students with a critical understanding of multimedia. Assignments are provided

using pre-constructed modules to be followed step-by-step. These modules promote creative expression and critical thinking and provide the students with the necessary skills to compile a multimedia presentation using sound, video, still images and text. Four credit hours. Prerequisite: CIS 115 or equivalent experience. Offered every semester.

MMS 205 DIGITAL IMAGING

This course examines the components used in multimedia and the multimedia design process. By manipulating and combining digital images with other forms of multimedia, students will enhance their critical and aesthetic understanding of multimedia. Four credit hours. Prerequisite: ART 230 or equivalent experience. Offered Fall semester.

MMS 300 ADVANCED INTERACTIVE MULTIMEDIA

This course will provide the students with the necessary skills and judgment to create interactivity in their multi-media presentations. Students will create interactive movies that allow users to communicate by receiving and sending information in a variety of ways. Four credit hours. Prerequisite: MMS 200. Offered Spring semester.

MMS 305 INTERACTIVE MULTIMEDIA DEVELOPMENT PROCESS

This course will prepare students for the development and designing of an interactive multimedia production. Students will develop an interactive media production guide by discussing the fundamentals of planning, designing, and developing an interactive media project—from conceptualization to production to distribution. Four credit hours. Prerequisite: MMS 200. Offered Fall semester.

MMS 350 3D DESIGN/3D RENDERING

Students will be introduced to the process of creating three dimensional graphics and illustrations. In addition, students will learn the basics of three dimensional modeling and rendering through projects that work with special 3D programs. Students will learn how to navigate in 3D space, create complex models from simple parts, apply textures, set up lights, and position cameras to transform their ideas into dynamic worlds filled with depth, warmth, presence, and even humor. Four credit hours. Prerequisite: MMS 200 and MMS 205; or portfolio assessment by department. Offered Fall semester.

ART/MMS 377 FIELD EXPERIENCE

Observational and “hands-on” work experience in a visual art or media-related placement situation. A total of 30 hours is required for each credit hour of field experience. Restricted to Visual and Digital Arts majors. One – Three credit hours. Prerequisite: Sophomore Standing and 2.5 Cumulative GPA. Offered as needed.

MMS 400 WEB DESIGN AND DEVELOPMENT

This course will provide students with the necessary skills and judgment to create effective interactive multimedia web pages for the World Wide Web. Students will create, test, and publish

web pages that demonstrate their ability to produce and troubleshoot video, audio, images and 3D animation on the Internet. Four credit hours. Prerequisite: MMS 300. Offered Spring semester.

MMS 405 DIGITAL PORTFOLIO

Students will use the skills, knowledge and judgment they have learned regarding pre-production, production and post-production to formulate and arrange ideas. Students will use a variety of techniques; discuss aesthetic issues regarding layout and design; incorporate original content; and produce, present and defend a digital portfolio. Four credit hours. Prerequisite: MMS 300 and portfolio review. Offered as needed.

MMS 498 INDEPENDENT STUDY IN MULTIMEDIA STUDIES

MASTERS OF BUSINESS ADMINISTRATION IN ACCOUNTING

MSA 600 ECONOMIC ANALYSIS

This course surveys micro- and macroeconomic principles, with an emphasis on strategic applications. Microeconomics topics covered include: demand and supply elasticities, firm cost structure, market structure, pricing. Macroeconomics topics covered include national income accounting, national income, employment, and price level determination, and fiscal and monetary policy. Three credit hours. Prerequisites: None.

MSA 601 STRATEGIC HUMAN RESOURCE MANAGEMENT

The way we manage the people in our organizations needs to be aligned with our business strategies. The means for this alignment is human resource strategy – a directional plan for managing human resources that addresses important people-related business issues. The purpose of this course is to examine how managers may implement more effectively the people-intensive strategies that are rapidly becoming a primary source of competitive advantage. Only by addressing human resource issues in the context of overall strategic management will managers and human resource staff together achieve the results needed to sustain and develop a business. Three credit hours. Prerequisites: None.

MSA 602 ORGANIZATIONAL BEHAVIOR AND DEVELOPMENT

The objective of this course is to provide a broad survey of the fields of organizational behavior on three distinct levels of analysis – individuals, groups and organizations. Specific topics to be examined from these three perspectives include, but are not limited to: motivation, job design, leadership, diversity, organizational design, communication, decision-making, conflict management, power, innovation and the work environment. Special attention will be given to the most common organizational development methods used in solving managerial and organizational problems. The course examines such intervention strategies as team building, team skills training, survey feedback, sensitivity training, behavior modification, job enrichment, and management by objectives. Three credit hours. Prerequisites: None.

MSA 603 QUANTITATIVE METHODS

This course presents an in-depth look at various quantitative analytical techniques encountered

in analyzing managerial problems and making effective decisions. The major topics covered include: linear programming, transportation, assignment, network models, project management, statistical approaches, and decision analysis. Application of these techniques in functional areas such as production, marketing, finance and accounting are covered. Three credit hours.

Prerequisites: ECO 262, MGT 302.

MSA 605 FINANCIAL MANAGEMENT

This course develops the theoretical and practical uses of financial management principles, including the concepts of risk, return, and value. Areas of concentration include working capital management, capital budgeting, the cost of capital, and capital structure. Three credit hours.

Prerequisites: Undergraduate Finance Course.

MSA 621 STRATEGIC OPERATIONS MANAGEMENT

In this course, techniques of managerial decision making are applied to problems in the management of production and operations in both manufacturing and service organizations. Quality management is emphasized throughout the course. The course emphasis is on people operating in teams for improved delivery of goods and services to customers. Topics covered include: quality assurance and control, forecasting, aggregate planning, scheduling, inventory planning and control, facility location, and process and job design. Three credit hours.

Prerequisites: MSA 600, MSA603

MSA 623 STRATEGIC MARKETING

This course presents the importance of the marketing function in the strategic management of the organization. Within the framework of the marketing discipline, students will learn how to ascertain customer needs and to strategically plan to fill those needs while serving an increasingly diverse population. Also considered in this course are issues such as environmentalism, consumerism, consumer life style, and government regulation. As part of this course, students will identify actual consumer needs and devise a comprehensive strategic marketing plan. Three credit hours. Prerequisites: None.

MSA 630 ADVANCED STRATEGY

The first of a two-course integrative capstone experience, this course will teach managers to think and act strategically. Emphasis will be placed on the creation of competitive advantage within a dynamic environment. A variety of analytical techniques will be discussed that will enable managers to thoroughly analyze the organization's environment in order to clearly identify its competitive advantage and how the organization will seek to utilize this advantage. Topics to be covered include various strategic management decision models, industry analysis, competitive position analysis, and the analysis, choice and implementation of strategic options. Case studies will be utilized as the primary method of familiarizing students with the strategic analysis process. Three credit hours. Prerequisites: Completion of all MSA required/core courses.

MSA 631 INTEGRATED CASE STUDIES

A final capstone experience, this course is intended to provide a complete integration and

application of previous coursework. The course consists of three parts: a series of case analysis discussions, a business simulation game in which student teams will compete with each other in a computer simulated business, and a final presentation. The final presentation is to be a significant portion of the grade in this course. For purposes of this presentation, student teams will do an extensive analysis of an existing business and report on their findings in both a written report to management and a full period oral presentation. Three credit hours. Prerequisites: MSA 630.

MSA 670 ACCOUNTING THEORY AND RESEARCH

This course analyzes the theoretical foundations of accounting concepts as set forth in the Statements of Financial Accounting Concepts as developed by the Financial Accounting Standards Board (FASB). It is through these concepts that new standards are developed due to technological advances and business innovations. Existing regulations are examined as well as pending changes currently under review. Research of concepts and current practices are included. Three credit hours. Prerequisites: ACC 351.

MSA 672 COMPUTER AUDITING

In this course you will learn about the different types of audits as they relate to a variety of computer systems including data management systems, networks, internet, e-commerce and the information technology function. You will utilize various computer-assisted audit tools and software as they relate to the audit function. Ethical issues and fraud detection are also discussed. Three credit hours. Prerequisites: ACC 430 Auditing

MSA 673 ADVANCED TAXATION

Corporate income tax is the primary focus of this course in regard to filing requirements, options available in reporting income and regulatory compliance. Other business entities are examined as alternatives to the traditional corporate structure. Tax research utilizing the latest technology assists in developing effective tax planning strategies. Three credit hours. Prerequisites ACC300 Income Tax Accounting.

PHILOSOPHY

PHI 100 NATURE OF MAN

The course introduces students to rival theories of human nature: instinct, genetic, behaviorist, interactionist; demonstrates how these theories influence social, political and educational policy; and teaches students how to critically evaluate rival theories. Three credit hours. Prerequisite: None. Offered Spring semester.

PHI 170 ISSUES IN PHILOSOPHY

This is a course in applied philosophy. The philosophical perspectives of important thinkers are used to examine issues that dramatically affect the direction and quality of our lives. Three credit hours. Prerequisite: None. Offered as needed.

PHI 200 LOGIC

This course introduces the student to informal and formal reasoning and the principles of scientific reasoning. Three credit hours. Prerequisite: None. Offered Spring semester.

PHI 201 FORMAL LOGIC

This course offers a fundamental study of the techniques of formal reasoning. After an introduction to basic argument identification and analysis procedure, students will develop formal tools for analyzing and evaluating arguments in the categorical and propositional systems of logic, paying special attention to the relationship between natural language and its expression in categorical and propositional notation. Selected problems in the history and philosophy of logic shall also be considered. Three credit hours. Prerequisite: This course is designed to support programs of study in Secondary Education and Mathematics; students pursuing other majors may enroll with permission of instructor. Offered as needed.

PHI 300 ETHICS

The course examines rival theories of making ethical choices, clarifies what theories of human nature and self they presuppose and directly tests their workability by requiring students to use them to resolve conflicts of values, personal and interpersonal. Three credit hours. Prerequisite: None. Offered Fall semester.

PHI 498 INDEPENDENT STUDY IN PHILOSOPHY

PHYSICAL EDUCATION

PED 110 BEGINNING GOLF

This course emphasizes the fundamental techniques, skill, strategy, and rules in playing the game of golf. One credit hour. Offered as needed.

PED 111 BEGINNING TENNIS

This course emphasizes the fundamental techniques, skill, strategy, and rules in playing the game of tennis. One credit hour. Offered as needed.

PED 112 BEGINNING AEROBICS

This course deals with aerobics and exercise as a form of preventive and rehabilitative medicine. The emphasis is on basic concepts related to aerobics and fitness. Personal fitness means a form of self-motivated, systematic participation in exercise that is geared toward improvement in one's quality of living. One credit hour. Offered as needed.

PED 113 SELF DEFENSE

This course emphasizes the fundamental techniques, skills, and strategy of self defense. One credit hour. Offered as needed.

PED 114 RESPONDING TO HEALTH EMERGENCIES

This course will provide emergency health care instruction for common illnesses and injuries. Successful completion of this course will result in American Red Cross certification in

cardiopulmonary resuscitation of the adult, child, and infant as well as Standard First Aid certification. This course would be useful for anyone teaching, coaching, or working with the public. Three credit hours. Offered Spring semester (d).

PED 298 SPECIAL TOPIC IN PHYSICAL EDUCATION
(Topic to be specified each semester course offered.)

PHYSICS

PHY 104 PHYSICAL SCIENCE

This course is designed to introduce the non-science student to the nature of physical reality and the physical laws which govern the universe. Contemporary applications in physics, chemistry, geology, and astronomy will be discussed as well as new frontiers in scientific thought. A laboratory will introduce students to the use of the scientific method by combining experiments, observations, measurements and analysis. Three credit hours. Prerequisite: Completion of MAT 114 or higher placement. Offered Spring semester. Note: Registration for both the lecture (PHY 104) and the lab (PHY 104 L) is required.

PHY 200 PRINCIPLES OF PHYSICS I

This course is an introduction to the underlying principles of physics that govern behavior in the physical world. The topics of mechanics, heat, and waves will be covered. Emphasis will be placed on applications and problem solving. Four credit hours. Prerequisite: Completion of MAT 115 or placement in MAT 216. Offered Fall semester. Note: Registration for both the lecture (PHY 200) and the lab (PHY 200 L) is required.

PHY 201 PRINCIPLES OF PHYSICS II

This course is a continuation of Principles of Physics I. The topics of electricity, magnetism, light, optics, and modern physics will be covered. Emphasis will be placed on applications and problem solving. Four credit hours. Prerequisite: PHY 200. Offered Spring semester. Note: Registration for both the lecture (PHY 201) and the lab (PHY 201 L) is required.

PHY 498 INDEPENDENT STUDY IN PHYSICS

POLITICAL SCIENCE

POL 100 INTRODUCTION TO POLITICAL SCIENCE

Introduction to Political Science will focus upon political theory and its application to individuals, nations and the international arena. Three credit hours. Offered Fall semester.

POL 101 UNITED STATES GOVERNMENT

An overview of the Constitutional basis, structure, and administrative organization of government in the U.S. Principal focus will be on the national government; various contemporary political problems will be explored. Three credit hours. Offered Spring semester.

POL 201 JUDICIAL SYSTEM IN U.S. POLITICS

Introductory survey of the major components of the courts and judicial system at the national, state and local levels. Topics may include criminal justice, factors influencing judicial decision-making and the courts in relation to other government agencies. Three credit hours. Prerequisite: POL 101. Offered as needed.

POL 203 LEGISLATIVE PROCESS IN U.S. POLITICS

An analysis of the nature and functions of U.S. legislative bodies. Some of the topics covered may include politics of lawmaking, oversight and investigations, legislative campaigns, role of lobbying, and the budgetary process. Three credit hours. Prerequisite: POL 101. Offered as needed.

POL 207 THE EXECUTIVE OFFICE IN U.S. POLITICS

A course which covers the evolution and development of the executive function of government at the national, state and local levels. Emphasis will be placed on analyzing leadership, power, and managerial skills. Special attention will be devoted to the U.S. Presidency. Three credit hours. Prerequisite: POL 101. Offered as needed.

POL 210 INTERNATIONAL RELATIONS

An in-depth examination of the varied and complex relations between nations in the modern world. Topics such as national power, geopolitics, demography, "the arms race," commerce, technology and national productivity will be explored. An understanding of the world as it is and the world as we would like it to be will be sought through the use of pertinent historical information and current events. Three credit hours. Prerequisite: POL 100. Offered as needed.

POL 217 PUBLIC ADMINISTRATION

Analysis of the principles of public administration with an introduction to theories of organization and administration as they apply to government bureaucracy. Three credit hours. Prerequisite: POL 101. Offered as needed.

POL 240 COMPARATIVE STATE AND LOCAL GOVERNMENT

Comparative analysis of formal and informal institutions and processes by which state and substate governments operate. Various problems and issues confronting state and local governments will be covered. Three credit hours. Prerequisite: POL 101. Offered as needed.

POL 298 SPECIAL TOPIC IN POLITICAL SCIENCE

(Topic to be specified each semester course offered.)

POL 300 AFRICAN POLITICAL SYSTEMS

The general stages of African political systems that will be studied include traditional African political systems and European imperialism. Some of the themes that will be examined include: tribalism; the dynamics of nationalism; Pan-Africanism; and the effects of multinational

corporations on political, economic, and cultural development of various African countries. Three credit hours. Prerequisite: POL 100. Offered as needed.

POL 310 COMPARATIVE POLITICAL SYSTEMS

A study of political ideologies and systems functioning today; comparison of different political systems. Three credit hours. Prerequisites: HIS 100 and POL 100. Offered as needed.

POL 330 AFRICAN-AMERICAN POLITICS

African-American Politics will examine Blacks' political attitudes, voting behavior, organizational strategies, ideology, and their influence on public policy. Study and analysis in these areas will be with an eye to how the legal system systematically restricted and expanded the civil and human rights of Blacks in America. Three credit hours. Prerequisite: POL 100. Offered as needed.

POL 398 SPECIAL TOPIC IN POLITICAL SCIENCE

(Topic to be specified each semester course offered.)

POL 498 INDEPENDENT STUDY IN POLITICAL SCIENCE

PSYCHOLOGY

PSY 100 INTRODUCTION TO PSYCHOLOGY

An introduction to the science of psychology, including how psychological data are gathered and applied to every-day life. Topics covered each semester include (but are not limited to) the amazing brain, intelligence, learning and memory, psychopathology, the senses and sexually dimorphic differences. Three credit hours. Offered every semester.

PSY 207 PSYCHOLOGICAL STATISTIC

This course surveys both descriptive and inferential statistical techniques commonly used in psychology, education, and the behavioral and social sciences. Emphasis is placed on methods and procedures involved in handling, analyzing and presenting data. Three credit hours. Prerequisite: MAT 110 or above. Offered Fall semester (d).

PSY 210 CHILD DEVELOPMENT

Presents foundations of child development through adolescence, based on consideration of culture, theories of development, genetics, prenatal influences, bonding, and socialization influences. Emphasis on the impact of role models in establishing relationships, setting limits, and moral development. Three credit hours. Prerequisite: PSY 100. Offered Spring semester.

PSY 229 ORGANIZATIONAL PSYCHOLOGY

Organizational psychology can be divided into three levels of thought, inquiry and action. This course will focus on these divisions and incorporate the theories, research and practices of organizational psychologists. Emphasis is placed on behavior of individuals within organizations and principles of industrial psychology. Three credit hours. Offered as needed.

PSY 230 BIOPSYCHOLOGY

Biological psychologists strive to explain behavior in terms of its physiology, development, evolution, and function. This course focuses on the biological mechanisms that are most relevant to key issues in psychology topics such as the mind-body problem, the development of learning and memory, sexual behavior, homeostatic regulation, recovery from brain damage, neuroanatomy, depression, and schizophrenia. Three credit hours. Prerequisite: PSY 100 or BIO 160 or BIO 161. Offered Fall semester (d).

PSY 240 ADOLESCENCE

This course applies general principles and theories of development to the adolescent period. Topics include physiological change, cognitive development, social relations, identity, and issues of adolescence. Three credit hours. Prerequisite: HHS 100 or PSY 100. Offered Spring semester (d); offered Spring semester in odd numbered years.

PSY 247 COGNITIVE PSYCHOLOGY

Cognitive psychology takes an information-processing approach to human behavior, including how humans interpret and understand the environment, how memory processes work, and how we acquire language. Emphasis is placed on such topics as intelligence and creativity, personal cognition and applied cognitive psychology. Three credit hours. Offered Spring semester (d).

PSY 250 RESEARCH METHODS IN PSYCHOLOGY

This course introduces students to methodology used in the research process, including inductive and deductive reasoning, hypothesis generation, theory formation and analysis of empirically collected data. Three credit hours. Offered Spring semester.

PSY 298 SPECIAL TOPIC IN PSYCHOLOGY

(Topic to be specified each semester course offered.)

PSY 310 SOCIAL PSYCHOLOGY

Social psychology is the study of how an individual's behaviors, feeling and thoughts are influenced, or determined, by the behaviors and/or characteristics of others. Topics covered each semester include attraction and love, prejudice, attitudes, conformity, altruistic behaviors, and aggression. Three credit hours. Prerequisite: PSY 100. Offered Fall semester in odd numbered years.

PSY 320 HEALTH PSYCHOLOGY

Health psychology deals with an understanding of the psychological influences on how people stay healthy, why they become ill, and how they respond when they do get ill. Topics covered include preventive health behaviors and their modifications, the mind-body relationship, stress and illness, stress reduction, the patient in treatment settings, the management of pain and discomfort, and coping with chronic illness. Three credit hours. Prerequisite: PSY 100. Offered Fall semester.

PSY 321 BEHAVIORAL NEUROSCIENCE

In recent years, the fields of biology and psychology have increasingly found common ground; this convergence of disciplines defines the field of neuroscience. By drawing upon current research findings, this course will introduce students to the major issues in neuroscience, from molecular biology to clinical science. Three credit hours. Prerequisite: PSY 230. Offered Spring semester.

PSY 349 PSYCHOLOGY OF ADULTHOOD

The purpose of this course is to help the student understand the adulthood years mainly from the developmental perspective including the critical importance of the biological, social, psychological and environmental factors. This course will deal with the last three stages in the life cycle – young adulthood, middle, and aging. Three credit hours. Prerequisite: HHS 100 or PSY 100. Offered Fall semester in odd numbered years.

PSY 351 PSYCHOPHARMACOLOGY

The purpose of this course is to introduce the student to the field of psychopharmacology, with special emphasis placed on the relationship between drugs, their mechanisms of action in the nervous system, and human behavior. Three credit hours. Prerequisite: PSY 100. Offered Spring semester.

PSY 368 HISTORY AND SYSTEMS OF PSYCHOLOGY

A study of the history of psychology highlighting people, ideas, and schools of thought. Individuals and contextual forces influencing the history of psychology will be emphasized. Three credit hours. Prerequisite: PSY 100 or Junior standing. Offered as needed.

PSY 370 ABNORMAL HUMAN BEHAVIOR

This course is for upper-level students who wish to learn about the field of abnormal behavior. Topics include: theories of abnormality, its causes and treatment; classification systems and conditions, such as anxiety disorders, affective disorders, personality disorders, dissociative and somatoform disorders, psychosexual disorders, substance abuse and schizophrenia. Three credit hours. Prerequisites: PSY 100 and Junior standing. Offered Spring semester (d); offered Fall semester in even numbered years.

PSY 377 Undergraduate Internship

Students will complete 90 contact hours at an approved organization, plus on-campus supervision as assigned. Internships are designed to furnish the student with on-site experience in a setting consistent with the student's career goals. Internships require instructor approval. A student may take this course twice for a maximum of 6 credit hours. Three credit hours. Prerequisite: Junior standing.

PSY 379 PARAPSYCHOLOGY AND PSEUDOSCIENCE

A critical look into parapsychology and other pseudo-sciences. Specifically, this course will examine historical and current evidence given in the search for parapsychological phenomena

such as extra sensory perception, telepathy, clairvoyance, and the validity of horoscopes. Also, current controversies in the psychological and medical literature will be addressed on such topics as repressed memories, multiple personality disorder, and touch therapy. Three credit hours. Prerequisite: Junior standing. Offered as needed.

PSY 385 SPORT PSYCHOLOGY

This course introduces students to the latest research and practices in applied sport psychology. Topics include cognitive techniques for building confidence and enhancing performance, concentration and attention control training, sport participation and youth development, team building strategies, motivation in sports and coaching concepts and strategies. Prerequisites: PSY 100 and a 2.0 cumulative GPA. Offered Every semester.

PSY 398 SPECIAL TOPIC IN PSYCHOLOGY

(Topic to be specified each semester course offered.)

PSY 420 PERSONALITY

Personality explores concepts and theories which have been formulated to explain and predict individual differences in behavior. Topics include: psychoanalytic theories, biological, social learning, and humanist theories as well as methods of personality assessment. Three credit hours. Prerequisite: PSY 100. Offered Fall semester.

PSY 421 PSYCHOLOGICAL ASSESSMENT

This course provides students with a current analysis of the most widely used psychological tests in schools, professional training programs, business, industry, the military, and clinical settings. Applications of the tests and examination of the issues shaping the future of testing will be emphasized. Three credit hours. Prerequisite: PSY 100. Offered Spring semester (d).

PSY 498 INDEPENDENT STUDY IN PSYCHOLOGY

SOCIAL SCIENCES

SSC 200 HUMAN RELATIONS

This course integrates theory with experience in order to enhance self-awareness, self-concept and the ability to maximize interpersonal effectiveness. A primary emphasis of the course is on developing specific interpersonal skills through the effective use of communication techniques such as listening, observing, paraphrasing and perception checking. Three credit hours. Offered Spring semester (d); offered every semester.

SSC 210 THE HISTORY AND CONTRIBUTIONS OF AFRICAN-AMERICAN WOMEN

This course provides an exploration into the political, social, cultural and historical struggles faced by African-American women in the United States. Emphasis will be placed upon the unrecognized accomplishments of African-American women. Three credit hours. Offered as needed.

HHS 268/SSC 268 SEMINAR ON ALCOHOL AND DRUGS

An opportunity for students to attempt to understand the nature of the contemporary drug/alcohol problem; preparation for dealing objectively with the complex nature of drug/alcohol abuse. Three credit hours. Offered as needed.

SSC 298 SPECIAL TOPIC IN SOCIAL SCIENCES

(Topic to be specified each semester course offered.)

SSC 398 SPECIAL TOPIC IN SOCIAL SCIENCES

(Topic to be specified each semester course offered.)

SSC 477 FIELD EXPERIENCE

This course provides the student with both observational and "hands-on" learning experience through participation in an internship, ideally in the field in which the student will be seeking employment. For example, students may work at Fort Niagara anthropological sites, Buffalo and Erie County Historical Society, a law office, or law enforcement agencies. Students who are already on an established career path may enhance their visibility in the organization by completion of a special project related to their careers, subject to the approval by the Director of Academic Field Placement. One to nine credit hours. Prerequisites: A minimum 3.0 cumulative GPA and Senior standing. Offered every semester.

SSC 498 INDEPENDENT STUDY IN SOCIAL SCIENCES

SOCIOLOGY

SOC 100 INTRODUCTION TO SOCIOLOGY

An introduction to the fundamental concepts of sociology and application to specific areas of sociology such as the scientific method, culture and society, and socialization. Three credit hours. Offered every semester.

SOC 201 GENDER ROLES IN AMERICAN SOCIETY

An introduction to the roles, functions, and emerging consciousness of women in American society; historical, psychological, and sociological background. Three credit hours. Prerequisite: SOC 100. Offered as needed.

SOC 240 FAMILY IN SOCIETY

The main trends of theoretical and practical analysis of the family: its history, life cycle, and various aspects and elements, including the use of real-life family interviews. Three credit hours. Prerequisite: SOC 100. Offered Fall semester in odd numbered years (d); offered Fall semester in even numbered years.

SOC 280 VIOLENCE AND CIVIL DISOBEDIENCE IN AMERICA

An examination of violence and civil disobedience as important elements in the historical development of the nation. Three credit hours. Prerequisite: SOC 100. Offered as needed.

SOC 298 SPECIAL TOPIC IN SOCIOLOGY

(Topic to be specified each semester course offered.)

SOC 301 SPORTS IN SOCIETY

An introduction to the fundamental concepts of sport as it relates to the larger society such as economics, politics, race relations and gender roles. Students will explore societal trends related to sport, youth development and social responsibility. Socio-cultural dimensions of sport will also be reviewed. Three credit hours. Prerequisite: SOC 100 or Junior standing. Offered Spring semester (d); offered Spring semester in odd numbered years.

SOC 315 WOMEN'S STUDIES

A study of the roles, functions and status of women in society; their evolving participation in education, politics, business as well as their changing roles in the family. The history of women's roles in society will be explored, resulting in a better understanding of recent developments and continued issues involving women. Three credit hours. Prerequisite: SOC 100. Offered Spring semester in even numbered years.

SOC 398 SPECIAL TOPIC IN SOCIOLOGY

(Topic to be specified each semester course offered.)

SOC 401 SOCIAL PROBLEMS

An examination and study of current social problems including racism, poverty, sexism, population, etc. Three credit hours. Prerequisites: SOC 100 and Junior standing. Offered Fall semester in odd numbered years.

SOC 498 INDEPENDENT STUDY IN SOCIOLOGY

SPANISH

SPA 101 ELEMENTARY SPANISH I

This course will instruct the student in the basic grammatical structures of Spanish. Special emphasis will be placed on oral skills. Vocabulary building and role playing, utilizing the spoken language in everyday situations, will be stressed. Three credit hours. Prerequisite: None. Offered Fall semester.

SPA 102 ELEMENTARY SPANISH II

A continuation of SPA 101. This course will instruct the student in more complex grammatical structures and vocabulary building while encouraging an increased degree of accuracy and control in the spoken language. Three credit hours. Prerequisite: SPA 101 or high school Spanish. Offered Spring semester.

SPA 498 INDEPENDENT STUDY IN SPANISH

SPECIAL EDUCATION DUAL LICENSURE

ESP 230 INTRODUCTION TO SPECIAL EDUCATION

Presents the definitions, causes, psychological, and behavioral characteristics of disabilities as outlined in the Individual with Disabilities in Education Act (IDEA). Emphasizes assessment procedures, multicultural issues, family involvement, and referral process, along with the relevance of collaborative practices and shared involvement across general and special education programs. The view of disability as both an organic/biological issue and a social construct will be discussed. Students will review legal and service obligations under IDEA to include an examination and understanding of IEP, IFSP, and transition planning processes. Three (3) credit hours. Offered fall/spring. Prerequisite: EDU 110 for Childhood 1-6 and Middle Childhood. No prerequisite for Adolescent Teaching and Early Childhood/Childhood Birth-6. Students will not receive a grade in this course until the completion of the Child Abuse and Save Legislation requirement for New York State. Students will submit two (2) individual certificates to the instructor upon completion of the class.

ESP 276 POSITIVE BEHAVIORAL SUPPORT APPROACHES TO CLASSROOM MANAGEMENT & INSTRUCTION

This course provides an understanding of the principles of human behavior across school contexts & demonstrates ways in which these principles can be used to enhance learning for all students. A primary focus will be on the use of positive behavior support systems and behaviorally-based instruction along with the establishment of safe, positive & supportive learning environments. Attention to causal and etiological explanations in combination with issues related to cultural and economic diversity on the identification and intervention for individuals with emotional/behavioral needs will be stressed. Students will also recognize the functional relationships that typically exist between behavior and the environment. The creation of student-centered Behavioral Support Plans that include explicit transition planning, when appropriate, will also be considered along with legal mandates and relevant regulations. Prerequisites: ESP 230.

ESP 328 EDUCATING AND ASSESSING STUDENTS WITH MILD TO MODERATE DISABILITIES

The development of differentiated instructional methodologies to target effective instruction and the remediation of academic difficulties in language arts/reading, science, mathematics, and social studies will be stressed. Emphasis will also be placed on the integration of general education and special education methodologies to include Learning Communities, access to the general curriculum, functional and vocational skill objectives, and community-based instruction. Emotional/behavioral, expressive, self-management, transition, and building social relationships will also be examined. Students will also study the standardized assessment procedures used in the referral, identification, and instructional phases of program planning for students with special needs. Consideration will be given to cultural and social background in the identification of disability and development of unique educational strategies. IEP development and relevant legal and service mandates as per IDEA and ADA will also be examined. Prerequisites: ESP 230 & ESP 277

ESP 338 EDUCATING STUDENTS WITH MODERATE TO SEVERE DISABILITIES WITH JUNIOR PRACTICA

This course will consider the range of medical, learning, emotional, behavioral, and adaptive needs of individuals with multiple and lower incidence developmental disabilities. Relevant curricular development and instructional methodologies towards both, primary academic content (e.g., language arts/reading, math, science, and social studies) and alternative instruction will be specifically targeted. Attention will also be paid to issues, problems, and trends that affect the development of school, instructional, transition, and community-based services to include the interactions between individuals with more significant areas of disability and their environment. Collaborative relationships with parents, medical and other resource specialists, and community services along with the supervision of paraprofessionals will be stressed. Curriculum-based and alternative assessment practices will be used towards the development of valid and viable individualized educational programs. Communication, social skills, inclusive practices, transition planning, relevant assistive and instructional technology, and operating in the natural environment will also be emphasized. Through Junior Practicum I & II, students will complete the 100 hours required by NYS and needed prior to beginning student teaching. Prerequisites: ESP 230.

ESP 400 INTEGRATING THE CURRICULUM: AN EDUCATIONAL COLLABORATION

This course will target the implementation of relevant educational outcomes using a more integrated curriculum for students with a wider range of learning needs to include GT, lower incidence developmental disabilities, specific learning disabilities (e.g., math, reading/language arts, and reading), and behavioral disabilities across age levels. The many direct connections between the special and general education models will be considered towards an enhanced understanding of how these two disciplines complement and support one another. Particular attention will be given to the special educator as a consultant/collaborator and co-teacher across a range of general education settings along with forming home-school partnerships. Students will learn to problem solve school and/or classroom based curricular, individual student, and systemic issues. Use of a positive school wide model of support within schools will be examined. Students will also understand and be able to plan for specific transition, vocational, and school-to-work objectives and supports for older students and their families. Prerequisites: ESP 338, 340

SPEECH

SPE 130 FUNDAMENTALS OF PUBLIC SPEAKING

This course is designed to develop students' knowledge of and skills in oral communication. It focuses on the speech-making process, rhetorical analysis, and the ethics of public speaking. Students will prepare, present and respond to public speeches. Three credit hours. Offered spring and fall semester.

SPE 298 SPECIAL TOPIC IN SPEECH

(Topic to be specified each semester course offered.)

SPE 315 ADVANCED PUBLIC SPEAKING

An intensive study of the theory and practice of public speaking. Strategies and techniques for effective public speaking will be discussed in depth and a variety of experiences in public speaking will be offered. Three credit hours. Prerequisites: SPE 130 and Junior Standing. Offered Spring semester (d).

SPE 330 SMALL GROUP COMMUNICATION

An analysis of the communication process in small groups. Special emphasis is placed on the theories and practices which pertain to decision-making groups. Three credit hours. Prerequisite: SPE 130. Offered as needed.

SPE 398 SPECIAL TOPIC IN SPEECH

(Topic to be specified each semester course offered.)

SPE 498 INDEPENDENT STUDY IN SPEECH

SPORT MANAGEMENT

SPM 211 THEORIES AND PRINCIPLES OF COACHING

This course is an investigation of athletic coaching as a vocation. A review of select theories and techniques of coaching will serve as the foundation. Current research will be explored in areas including but not limited to leadership behavior in sport. Coaching as a vocation has been part of the educational system in the United States for over a hundred years. Throughout this time there has been little inquiry on measuring coaching effectiveness and performance. The demand for such inquiry is clearly evidenced by the increasing number of sports participants. A rapidly expanding global market, the rise of women's sports, and the addition of alternative sports such as the X games have all significantly contributed to this growth. Prerequisites: None. Elective

SPM 216 FOUNDATIONS OF HUMAN PERFORMANCE

This course is designed to explore the foundations of human performance. A review of applications and techniques of physical training for sport will guide the course content. Health-related physical fitness, sport skills and motor abilities will be explored. Concepts contained in the content are intended span across all human performance topical areas including but not limited to athlete-development, sport specific strength and conditioning, wellness programming and age and gender considerations. Prerequisites: None. Elective.

SPM 220 SPORT LEADERSHIP AND MANAGEMENT

This course emphasizes the management and leadership components of sport organizations. More specifically, the course focuses on the means of improving performance within sports organizations through such practices as goal development, decision-making, strategic planning, conflict management, leadership style, and human resource management. Additionally, the course addresses the design, structure, and culture of sport organizations. Three credit hours. Prerequisites: none. Offered Fall semester

SPM 298 SPECIAL TOPIC IN SPORTS MANAGEMENT

(Topic to be specified each semester course offered.)

SPM 320 SPORT MARKETING AND PROMOTION

This course is designed to provide students with an understanding of the fundamental marketing and promotional principles utilized in sport organizations, sport facilities, and sport events. Additionally, sport sponsorship is discussed as a sport marketing and promotional tool. The role of computer and Internet applications in sport marketing and promotions is emphasized. Three credit hours. Prerequisites: SPM 220. Offered spring semester.

SPM 325 LEGAL AND ETHICAL ISSUES IN SPORTS AND RECREATION MANAGEMENT

This course provides an exploration into the legal aspects of sports including but not limited to tort law, contract law, risk management procedures, constitutional law and product liability. Limitations of the legal system will be addressed, as will the role and limitations of ethics. Students will discuss both the law and ethics and how each affects sports and recreation administration. Three credit hours. Prerequisites: SPM 220 and Junior standing. Fall semester.

SPM 335 SPORT EVENT MANAGEMENT

This course emphasizes the competencies involved in the designing, planning, implementing, and evaluating of sport events. In doing so, students learn logistical skills and techniques associated with various aspects of event management including: 1) box office management; 2) security and supervision; 3) safety and medical services; 4) housekeeping and maintenance; 5) concessions and merchandise; 6) risk management and insurance; 7) media marketing of sport events; and 8) sponsorship of and hospitality at sport events. Emphasis is also placed on the experience of sport event customer and/or participant. Three credit hours. Prerequisite: SPM 220. Offered Fall semester

SPM 340 HISTORY AND PHILOSOPHY OF SPORT

This course explores the history and philosophy of sport. Selected topics include the perspectives of Greek Philosophers Socrates, Plato and Aristotle relating specifically to the mind and body. Further study will assist students in learning how cultures throughout Western civilization have viewed the relationship of the mind and body through sports and physical education. Students will be introduced to basic philosophical processes including but not limited to aesthetics and metaphysics. The concepts of play, sport and games will be investigated along with a review of varied paradigms on winning and morals. Finally, students will discover how urbanization, industrialization, modernization, technology and politics have affected sport throughout history. Three credit hours. Prerequisite: ENG 200. Offered Spring semester

SPM 377 FIELD EXPERIENCE I

This course provides an opportunity for observation and practice by individual students in work related to a particular area of study in sport management. This course has a 120-contact hour requirement. The student will complete a work-skills assessment and explore career options

related to an area of course concentration in a work setting. Three credit hour. Prerequisites: SPM 220, Junior standing, and a 2.0 cumulative GPA. Offered Every semester.

SPM 398 SPECIAL TOPIC IN SPORTS MANAGEMENT
(Topic to be specified each semester course offered.)

SPM 400 SPORTS FACILITY PLANNING AND MANAGEMENT

This course is designed to provide the student with a comprehensive look at the planning and management of major sport facilities. A step-by-step exploration of facility planning, promotions and operations will be the focus of the content. Topics covered include: facility planning and design, contracting, image, crowd and alcohol management, booking and scheduling, box office, concessions and merchandise management, event planning, and production and facility operations. Three credit hours. Prerequisites: ACC 102, MGT 220, SPM 220 and Junior standing. Offered Spring semester.

SPM 477 FIELD EXPERIENCE II

This course provides an opportunity for observation and practice by individual students in work related to a particular area of study in sport management. This course has a 160-contact hour requirement. A higher level of performance is expected in this field experience. The work will be more intensive than the introductory field experience (SPM 377). The student will complete a work-skills assessment and explore career options related to an area of course concentration in a work setting. Three credit hour. Prerequisites: SPM 220, Junior Standing and 2.0 GPA. Offered Every semester.

SPM 498 INDEPENDENT STUDY IN SPORTS MANAGEMENT

VETERINARY TECHNOLOGY

VET 100 INTRODUCTION TO VETERINARY TECHNOLOGY

The student is introduced to the Medaille facilities, expectations of the Veterinary Technology program, medical terminology and basic scientific concepts. Discussions are generated on career opportunities, the role of the veterinary technician in veterinary medicine, and the human-animal bond. The different classifications and breeds of companion and farm animals are studied. General principles of animal behavior, care, equipment and management are presented. Legal regulations on the county, state and federal levels are examined. There will be a preliminary investigation of the concepts of health and disease. Travel time to and from off-campus SPCA activities is required. Three credit hours. Prerequisite: Permission of VET Department Chairperson. Offered every semester (d).

VET 120 INTRODUCTION TO LABORATORY ANIMAL SCIENCE

A general overview of the field of laboratory animal science is covered. Humane handling, care and ethical use of laboratory animals are emphasized. Taxonomic classification and comparative anatomic and physiologic characteristics of each species are mentioned. Laws, regulations, standards and organizations promoting responsible lab animal management are discussed. The

use of alternatives to animals for research is explored. Basic handling, restraint and performing common procedures on small mammals are practiced in the laboratory portion of the course. Recognition of health and disease through the animal care rotation (vivarium) is an important aspect of this course. Note: The animal care rotation will require additional time besides scheduled class and laboratory hours for vivarium duty. Three credit hours. Prerequisite: Permission of VET Department Chairperson. Offered every semester (d). Note: Registration for both the lecture (VET 120) and the lab (VET 120 L) is required.

VET 126 ANIMAL PARASITOLOGY

This course focuses on the common ectoparasites and endoparasites of pets and large animals. Parasite identification, life history, and pathogenesis are studied. Public health aspects are noted and methods of prevention and treatment are discussed. Diagnostic procedures and identification are performed in the laboratory. Animal care will require additional time outside of scheduled lectures and laboratories. Two credit hours. Prerequisites: VET 100; restricted to VET majors. Offered Spring semester (d). Note: Registration for both the lecture (VET 126) and the lab (VET 126 L) is required.

VET 130 BASIC INTRODUCTION TO HORSES

The student is introduced to methods of handling and restraint of the horse: basic equine terminology including basic anatomy, breed identification, color and color patterns and equipment, and different disciplines of horseback riding. Three credit hours. Offered as needed.

VET 132 HUNT SEAT RIDING AND EQUITATION I

Students will be grouped into riding classes according to their ability and previous experience. Subsequent riding courses will build on the knowledge and skills acquired in the previous course. Students will learn the fundamentals of hunt seat riding including proper equitation at the walk, trot, canter and hand-gallop. They will also learn to jump both hunter and equitation type courses. All students will have the opportunity to compete in local horse shows. Two credit hours. Offered as needed.

VET 177 PRECEPTORSHIP I

Each student spends 60 hours observing at an animal facility in areas of surgery, anesthesia, treatment, radiology, laboratory, and general facility operations. The primary objective is to introduce concepts by seeing examples of actual cases. The student becomes more familiar with and appreciates the scope of the veterinary technician in a practical, applied atmosphere. Two credit hours. Prerequisites: A minimum 2.0 cumulative GPA unless taken in first semester at College; restricted to VET majors. Offered every semester.

VET 202 SMALL ANIMAL DISEASES AND NUTRITION

Emphasis is placed on the dog and cat regarding proper restraint and care. Physical as well as chemical methods of restraint are presented. Common disease processes experienced by the dog and cat are outlined and nutrition is examined as it relates to both the healthy and ill pet. Infectious, hormonal, traumatic, toxicological and nutritional problems include some of the

disease processes covered. Raising orphan puppies and kittens and proper vaccination procedures are taught. Additional student time and assignments will be required outside of scheduled class and laboratory hours. Three credit hours. Prerequisites: VET 100, VET 120, and BIO 171; restricted to VET majors. Offered Fall semester (d). Note: Registration for both the lecture (VET 202) and the lab (VET 202 L) is required.

VET 204 VETERINARY CLINICAL LAB TECHNIQUES

This course examines blood, urine and feces for diagnostic and prognostic purposes. Lectures will focus on the physiologic responses to disease and the effects of disease on measurable substances produced by the body. The collection, storage and handling of laboratory specimens and general laboratory management procedures, including safety and quality control, will be discussed. Laboratory sessions emphasize the performance of analytical procedures commonly used in veterinary medicine. Less routine procedures will be demonstrated and/or discussed. Concurrent registration in VET 202, VET 208, and VET 230 is recommended. Three credit hours. Prerequisites: BIO 171; restricted to VET majors. Offered Fall semester (d). Note: Registration for both the lecture (VET 204) and the lab (VET 204 L) is required.

VET 206 HANDLING AND CARE OF EXOTICS

This course is specifically designed to acquaint the student with the most common exotic pets and zoo animals. Care, handling, management and diseases are studied. Techniques of immobilization and obtaining laboratory samples are demonstrated. Experiences occur at various locations with birds, reptiles, amphibians and mammals. Travel time to and from off-campus activities is required. Two credit hours. Prerequisites: VET 100 and BIO 171; restricted to VET majors. Offered Spring semester (d). Note: Registration for both the lecture (VET 206) and the lab (VET 206 L) is required.

VET 208 VETERINARY DIAGNOSTIC IMAGING

Topics include the theory of X-ray production as well as the practical aspects of taking radiographs. Emphasis is on the diagnostic quality of radiographs and how to correct common problems. Students will have experience in radiographic exposure, development and handling. Proper positioning and restraint for various anatomical views are shown. Use of contrast media and special techniques is mentioned. Safety precautions and New York State regulations are emphasized. The role of the electro-cardiogram in veterinary medicine is discussed. Proper patient positioning and methods of restraint are taught. The normal EKG (ECG) tracing and common disease variations are studied. Two credit hours. Prerequisites: VET 100 and BIO 171; restricted to VET majors. Offered Fall semester (d). Note: Registration for both the lecture (VET 208) and the lab (VET 208 L) is required.

VET 222 FARM ANIMAL RESTRAINT, DISEASES, AND NUTRITION

Physical and chemical restraint are demonstrated on the bovine, equine, caprine and ovine. Common diseases and the significant role of nutrition in the farm animal are presented. Miscellaneous procedures such as the physical exam, dentistry and diagnostic nerve blocks are

shown. Porcine assisting techniques are mentioned. Regulatory medicine, vaccination protocols and methods of administering medications are taught. Additional student time and assignments will be required outside of scheduled class and laboratory hours. Three credit hours. Prerequisites: VET 100 and BIO 171; restricted to VET majors. Offered Spring semester (d).

Note: Registration for both the lecture (VET 222) and the lab (VET 222 L) is required.

VET 224 SURGICAL NURSING AND ANESTHESIOLOGY

The student becomes familiar with surgical theory and techniques. Topics include pre-operative theory and post-operative patient care, aseptic technique and materials and instruments used in various surgical procedures. Different types of sterilization processes and the care of surgical instruments are practiced. Anesthesiology includes the actions and uses of pre-anesthetic drugs as well as that of intravenous, intramuscular and inhalation anesthetics. Special emphasis is placed on monitoring the patient while under any type of anesthesia. Additional student time and assignments will be required outside of scheduled class and laboratory hours. Three credit hours. Prerequisites: VET 202, VET 204, and VET 230; restricted to VET majors. Offered Spring semester (d). Note: Registration for both the lecture (VET 224) and the lab (VET 224 L) is required.

VET 226 VETERINARY PRACTICE MANAGEMENT

The veterinary hospital is seen as both a medical and business facility. Emphasis is on the pivotal role which the veterinary technician can perform. Topics include human relations both with clients and other staff, basic business principles, medical records, financial transactions, ordering and inventory, supervising and hospitalized animal health care. Computerization and its use in the veterinary office are investigated. Three credit hours. Prerequisite: Restricted to VET majors. Offered Spring semester (d).

VET 228 GROSS AND CLINICAL PATHOLOGY

The place of necropsy as a learning experience is explained. Proper techniques for small animal and avian species are demonstrated and other species are illustrated. Laboratory exercises with exotic species occur as the opportunities exist. Additional student time and assignments will be required outside of scheduled class and laboratory hours. One credit hour. Prerequisites: BIO 171; restricted to VET majors. Offered Spring semester (d). Note: Registration for both the lecture (VET 228) and the lab (VET 228 L) is required.

VET 230 PHARMACY AND PHARMACOLOGY

The student becomes familiar with the major drugs used in veterinary medicine. Pharmacy covers maintenance and inventory. Pharmacology is intended to acquaint the student with fundamental knowledge of the mechanism of action, the dosage, the routes of administration and the toxic effects of various groups of veterinary-related drugs. Conversion of weights and the calculation of various drug dosages are practiced, as well as fluid therapy and blood transfusion dynamics and calculations. Three credit hours. Prerequisites: BIO 171, CHE 145, and MAT 112; restricted to VET majors. Offered Fall semester (d).

VET 232 HORSE AND STABLE MANAGEMENT

Students will learn how to care for the horse in the barn including feeding, grooming, and cleaning stalls. Students will learn about the expenses of horse ownership. Students will participate in different aspects of running a horse show including course design, setup and breakdown, secretarial duties and other areas as required. Three credit hours. Prerequisite: VET 130 or permission of VET Department Chairperson. Offered as needed.

VET 234 HUNT SEAT RIDING AND EQUITATION II

A 14-week course for the advanced beginner. The hunt seat rider will further develop basic riding and horse management skills. Two credit hours. Prerequisite: VET 132 or equivalent experience. Offered as needed.

VET 238 HUNT SEAT RIDING AND EQUITATION III

A 14-week course for the intermediate hunt seat rider. Building on previously learned techniques, this course will foster the development of advanced riding and horse management skills. Two credit hours. Prerequisite: VET 234 or equivalent experience. Offered as needed.

VET 277 PRECEPTORSHIP II

Each student spends 90 hours in a small animal or mixed (small and large) animal veterinary practice to gain practical experience in the areas of surgery, anesthesia, treatment, radiology, laboratory and general veterinary facility operations. The primary objective is to reinforce and expand upon learning concepts by participating in actual cases. Three credit hours. Prerequisites: A minimum 2.0 cumulative GPA; restricted to VET majors. Offered every semester.

VET 298 SPECIAL TOPIC IN VETERINARY TECHNOLOGY

(Topic to be specified each semester course offered.)

VET 299 INDEPENDENT STUDY IN VETERINARY TECHNOLOGY

VET 300 VETERINARY DENTISTRY: PRINCIPLES AND PRACTICES

The fundamentals of veterinary dentistry are presented through the use of lecture and hands-on instruction. Emphasis is on the role of the veterinary technician in a small animal practice in providing dental services and client education. In-depth study of the oral cavity is combined with practical and clinical applications to present-day treatments. Understanding of common dental disease and the role of the veterinary technician in its treatment and prevention is stressed. Three credit hours. Prerequisite: VET 224 or licensure as a Veterinary Technician. Offered as needed.

VET 301 DENTAL RADIOGRAPHY

A detailed examination of the oral cavity will be presented through the use of dental radiography. Specialized radiographic equipment and supplies will be utilized. Techniques for patient positioning and radiographic exposure will be demonstrated and practiced by students during laboratory sessions. Common disease processes seen in veterinary practice will be highlighted.

Three credit hours. Prerequisite: VET 300. Offered as needed. Note: Registration for both the lecture (VET 301) and the lab (VET 301 L) is required.

VET 320 ADVANCED LABORATORY ANIMAL SCIENCE

An in-depth exploration of the principles and practices of advanced laboratory animal science is presented through a research-based course. Students will collaborate in development of animal protocols and will be responsible for all aspects of the research plan, including experimental design, completion of necessary documentation, implementation of the protocol and communication of the results. Specialized techniques will be examined, including immunology, molecular biology, genetic engineering and gnotobiology. Management issues, such as principles of supervision, cost analysis, facility security, government regulations and occupational health and safety, will be emphasized. Ethical issues related to animal research will be evaluated. Note: Animal care will require additional time besides scheduled class and laboratory hours. Three credit hours. Prerequisite: VET 120; or licensure as a Veterinary Technician; or certification as a Laboratory Animal Technician or Laboratory Animal Technologist. Offered as needed. Note: Registration for both the lecture (VET 320) and the lab (VET 320 L) is required.

VET 326 EQUINE NUTRITION AND PHYSIOLOGY

Basic anatomy and physiology of the equine digestive system and its relation to nutrition and disease states will be covered. Application of ration formulas will be applied to calculate nutritional requirements for different life stages. Evaluation of different feed sources and supplements will be addressed. Three credit hours. Prerequisite: VET 222 or permission of instructor. Offered as needed.

VET 330 HUNT SEAT RIDING AND EQUITATION IV

A 14-week course providing the intermediate hunt seat rider to develop more advanced riding and horse management skills. Two credit hours. Prerequisite: VET 238 or equivalent experience. Offered as needed.

VET 335 INTRODUCTION TO EQUINE BEHAVIOR AND HANDLING

Equine communication will be covered relative to basic handling, training, and restraint. The behaviors used by horses to communicate will be explored and applied to improve equine/human communication. This study will encompass hands-on work with horses in which students will be required to apply the skills they have acquired in the classroom. Three credit hours. Prerequisites: None. Offered as needed.

VET 336 HUNT SEAT RIDING AND EQUITATION V

A 14-week course providing the hunt seat rider with a beginning jumping program. Two credit hours. Prerequisite: VET 330 or equivalent experience. Offered as needed.

VET 340 APPLIED ANIMAL BEHAVIOR FOR VETERINARY PRACTICE: PART I

This is a practical course geared to the veterinary professional who wishes to specialize in small animal behavior. A systematic approach is adopted, beginning with the study of normal behavior

and followed by an investigation into canine and feline aggressive behavior. Components of a proper behavioral history and their relationship to approaching behavioral problems are stressed. Case studies will be integrated into classroom and clinical experiences. A survey of behavior problems in farm animals will be included. Three credit hours. Prerequisites: VET 100 and VET 230; or licensure as a Veterinary Technician. Offered as needed.

VET 345 INTRODUCTION TO ANIMAL REHABILITATION

This course focuses on an introduction to the newly evolving field of animal rehabilitation. Topics will include common orthopedic and neurological conditions and their appropriate modalities. Laws, certification standards and organizations promoting rehabilitation will be discussed, as well as the role of medications, nutraceuticals and nutrition. Three credit hours. Prerequisites: Restricted to VET majors; Sophomore or higher standing. Offered as needed.

VET 355 PAIN MANAGEMENT IN ANIMALS

The issues and fundamentals of pain management are presented through the use of lecture, discussion and laboratory. An integrated approach is utilized, with emphasis on the ethics of pain management in animals. The physiology and biochemistry of pain and pain control will be explored. The role of the technician in detecting, assessing, reporting and managing pain is stressed. Three credit hours. Prerequisites: VET 120 and VET 230; or licensure as a Veterinary Technician. Offered as needed.

VET 360 PATIENT MANAGEMENT AND THERAPEUTICS IN EMERGENCY MEDICINE AND CRITICAL CARE

This course is geared to the veterinary professional interested in emergency and critical care work. Requirements for specialization in the field will be discussed. The basic principles of emergency medicine including triage, all aspects of intravenous support, placement and care of monitoring devices as well as pain management will be covered. Basic nursing care of critical patients and interaction with clients of these patients will be included. Three credit hours. Prerequisite: VET 224 or licensure as a Veterinary Technician. Offered as needed.

VET 398 SPECIAL TOPIC IN VETERINARY TECHNOLOGY

(Topic to be specified each semester course offered.)

VET 400 ADVANCED DENTAL TECHNIQUES

Periodontal treatment as part of the basic dental prophylaxis is highlighted and practiced in hands-on demonstrations. Other advanced techniques for situations commonly encountered in small animal veterinary practice are studied. Emphasis is placed on the veterinary technicians' understanding of dental lesions and pathology and their relationship to periodontic and exodontics. The enlarging role of the veterinary technician in providing these therapies is given prominence. Three credit hours. Prerequisite: VET 301. Offered as needed.

VET 401 SPECIALIZATION IN VETERINARY DENTISTRY

This course focuses on the specialized areas of veterinary dentistry that are applicable to small

animal species. Those interested in pursuing specialty certification or in employment with a veterinary dental specialist will find the presented material to be informative, useful and necessary. Topics covered will include endodontics, restorative dentistry, orthodontics and prosthodontics. Three credit hours. Prerequisite: VET 400. Offered as needed.

VET 410 SMALL ANIMAL NUTRITION IN HEALTH AND DISEASE

This course is designed to provide veterinary technicians with advanced knowledge of nutritional management in small animals. Topics covered include neonatal, pediatric and geriatric nutrition in both health and disease states. Enteral and parenteral forms of nutrition will be explored. Students will be awarded the title of Veterinary Nutritional Advocate through Hill's Pet Nutrition after completion of the course. Three credit hours. Prerequisite: VET202. Offered as needed.

VET 434 HUNT SEAT RIDING AND EQUITATION VI

A 14-week course providing the hunt seat rider with an advanced beginner/intermediate jumping program. Two credit hours. Prerequisite: VET 336 or equivalent experience. Offered as needed.

VET 438 HUNT SEAT RIDING AND EQUITATION VII

A 14-week course providing the hunt seat rider with an intermediate/advanced jumping program. Two credit hours. Prerequisite: VET 434 or equivalent experience. Offered as needed.

VET 440 APPLIED ANIMAL BEHAVIOR FOR VETERINARY PRACTICE: PART II

A continuation of the specialized study into the common behavioral problems of dogs and cats. Treatments are presented that utilize principles of behavior modification and current behavioral pharmacology. Learning to "choose the right pet" is one example of the prevention recommendations that will be discussed. Case studies will be integrated into classroom and clinical experiences. Three credit hours. Prerequisite: VET 340 or licensure as a Veterinary Technician. Offered as needed.

VET 450 ANESTHESIA FOR CANINE AND FELINE HIGH RISK PATIENTS

An in-depth coverage of anesthetizing the problematic and medically challenging small animal patient. Pre-anesthesia planning, treating complicated physical conditions and choosing appropriate anesthetic protocols will be integrated. The role of analgesia during the four components of general anesthesia will be emphasized. Three credit hours. Prerequisite: VET 224 or licensure as a Veterinary Technician. Offered as needed.

VET 460 SMALL ANIMAL EMERGENCY AND CRITICAL CARE I

A body system approach is used in examining in depth the physiology, treatment and care of emergency and critical care cases seen in practice. Physical findings, appropriate diagnostic testing, initial treatment, appropriate monitoring and follow-up are emphasized. The cardiovascular, respiratory, neurologic and urinary systems are covered. Hematologic, toxicologic and thermal emergencies are also explored, as well as shock, anesthetic emergencies and allergic

reactions, which are pansystemic. Clinical cases will be utilized in the course of study. Three credit hours. Prerequisite: VET 360. Offered as needed.

VET 461 SMALL ANIMAL EMERGENCY AND CRITICAL CARE II

This course is a continuation of the study of presentations in emergency and critical care by body system. Cases in the gastrointestinal tract, male and female reproductive systems, ocular, otic and dermatologic system will be examined. Emergencies involving the endocrine system and metabolic emergencies will be covered in detail. An overview of the approach to treating musculoskeletal and soft tissue injuries will be included. Case studies will again be utilized. Three credit hours. Prerequisite: VET 460. Offered as needed.

VET 498 INDEPENDENT STUDY IN VETERINARY TECHNOLOGY

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In addition to the faculty members listed above, the College is privileged to draw upon the expertise of part-time teaching adjunct instructors. Among the part-time teaching faculty in fall 2009, there were 53 in Professional Studies and 49 in Liberal Studies.

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Laurel Almand, B.S. SAGE FA Counselor , Amherst /Rochester Campus

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