

AQUINAS COLLEGE

**Academic Catalog
2018-2019**

The information in the 2018-2019 Aquinas College Academic Catalog is subject to change without notice in order to reflect the decisions made by federal and state governments and by the Aquinas College Board of Trustees and Administration. These changes may include the elimination or modification of programs, departments, courses, policies, or other academic activities, the scheduling of classes, the cancellation of scheduled classes, and the adjustment of fees. If changes are made, the College may offer or require reasonably practical alternatives. Payment of tuition shall constitute a student's acceptance of the College's rights set forth in this paragraph.

Academic Catalog Editor: Erin E. Peraino, MEd

Academic Calendar

2018 Fall Semester

August	27	Classes begin
	31	Last day to add a first quad or semester-long class
September	3	Labor Day – No Classes, No Mass
	7	Last day to drop a semester or 1st Quad class w/o financial penalty
	21	Last day to drop a 1st Quad class w/o academic penalty
	22	Last day to drop a Directed Study class w/o financial penalty
	22/23	Second session of Directed Study classes
October	19	1st Quad Ends
	22-26	Mid-Term Break
	29	Classes resume at 8 a.m.
November	2	Last day to add 2nd quad class AND
	2	Last day to drop a semester long class w/o academic penalty
	9	Last day to drop a 2nd Quad class w/o financial penalty
	21-23	Thanksgiving vacation (for 16-week classes) begins after last class
	23	Last day to drop a 2nd Quad class w/o academic penalty
	26	Classes resume at 8 a.m.
December	17-21	Final examinations according to printed schedule
	22	2nd Quad ends

2019 Spring Semester

January	1	Fall, 2018 Grades Due in Registrar's Office
	14	Classes begin at 8 a.m.
	18	Last day to add a semester long or 3rd Quad class
	25	Last day to drop a 3rd Quad or semester class w/o financial penalty
February	8	Last day to drop a 3rd Quad class w/o academic penalty
March	8	3rd Quad ends
	11-15	Mid-Term Break
	18	Classes resume at 8 a.m.
	18	4th Quad begins
	22	Last day to drop a semester long class w/o academic penalty
	22	Last day to add a 4th Quad class
	29	Last day to drop a 4th Quad class w/o financial penalty
April	12	Last day to drop a 4th Quad class w/o academic penalty
	18	Easter break begins after the last class
	22	Classes resume at 6 p.m.
May	2-8	Final Examinations according to schedule
	11	Baccalaureate Mass at the Cathedral
	11	Commencement
	15	Grades Due in Registrar's Office

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I

The College

Mission Statement

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Aquinas College Overview

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Mission Statement

Aquinas College, an inclusive educational community rooted in the Catholic and Dominican traditions, provides a liberal arts education with a global perspective, emphasizes career preparation focused on leadership and service to others, and fosters a commitment to lifelong learning dedicated to the pursuit of truth and the common good.

Vision Statement

Aquinas College is recognized as the exceptional Catholic liberal arts college that prepares individuals for careers of leadership and service in developing a sustainable and just global community.

Diversity Statement

Aquinas College is committed to equality. This statement of the College speaks to this commitment, as do our history and heritage. We believe that diversity is a blessing, which brings a richness of perspectives to our intellectual, cultural, social, and spiritual life. All members of our community—faculty, staff, students—will demonstrate respect for each other regardless of our differences. All of us will be sensitive in our actions, words, and deeds. We will demonstrate these sensitivities in our classrooms, curricula, offices, meeting places, and living environments. We will maintain the diversity of our Board of Trustees, faculty, student body, and staff and appreciate the different gifts each brings to this community regardless of age, gender, race, ethnicity, religion, or disability.

Non-discrimination Policy. It is the policy of Aquinas College that no person on the basis of race, color, religion, ethnic origin, age, sex, sexual orientation, marital status, or disability shall be discriminated against, excluded from participation or employment in, or be otherwise subjected to discrimination under any program or activity for which Aquinas College is responsible.

Integrity Statement

Aquinas College is rooted in the Dominican traditions of prayer, study, community and service, combined with a deep respect for truth, honesty and integrity. In this spirit, we strive to create an environment in which integrity is prized and practiced. We expect all community members to uphold these values through honesty, fairness and respect for others.

Dominican Pillars

Prayer - The Dominican tradition of prayer is two-fold: contemplative and communal. At Aquinas we are committed to gathering for rich liturgical prayer nourished by God’s Word and the Spirit. Prayer leads us into the deeper Truth needed to live out God’s call for us in the world.

Study - We commit ourselves to a love of learning, both formal and informal. This necessitates an openness to learn from tried and true scholarship as well as the most unlikely sources.

Service - Aquinas encourages students to engage in service projects and service learning programs. It also offers preparation for careers that will enable graduates to spread the truths that they have learned – to “make all the difference in the world.”

Community - We follow in the footsteps of Saint Dominic, a 13th century preacher and founder of the Dominican order, with a commitment to building community through hospitality, inclusivity, and dialogue. We have a long tradition of working together for the common good, both within the College and beyond, for racial and social justice and outreach to persons and places in need.

Aquinas College Overview

Critical thinking plays a vital role in every Aquinas College classroom and is woven into every subject taught. Aquinas is a place where spirit and energy abound, and where there is a firm belief that passion has the power to transform lives, and even change the world. Students of every age and background are welcomed and challenged, and learn that the only limits to success are those they place upon themselves.

Consistently ranked among the top liberal arts colleges in the Midwest by U.S. News and World Report, Aquinas offers an approach to learning and living that teaches students unlimited ways of seeing the world. Students study a rich variety of subjects and acquire skills that help them become critical thinkers, articulate speakers, strong writers, and effective problem solvers.

At Aquinas, people matter. Founded by the Dominican Sisters ~ Grand Rapids, Aquinas is an inclusive educational community rooted in the Catholic and Dominican tradition perpetuated by its dedicated faculty through a dynamic curriculum. The College's enrollment of 1,900 full- and part-time students from twenty-five (25) states and twenty-two (22) countries is small enough to ensure individual attention, yet large enough to provide a diversity of opportunities.

From the College's establishment as Novitiate Normal School in 1886 to current position as a premier liberal arts college, Aquinas has been marked by vision, courage, creative leadership and innovation.

In keeping with the College's namesake, 13th-century scholar and teacher Saint Thomas Aquinas, the College has often been considered ahead of its time. It has an enviable record of firsts, dating back to 1931 when it was the first Catholic college in the United States to become coeducational. Aquinas was the first college in Michigan to consolidate degree-completion programming for adults, and was also was the first college in Michigan to offer degrees in Master of Management and Bachelor of Science in Sustainable Business.

As a liberal arts institution with a career orientation, Aquinas seeks to prepare students for life after graduation. The College offers many opportunities for growth and development, both inside and outside the classroom. Aquinas alumni are well equipped with the skills to lead a responsible life and embrace the world of work.

Accreditation

Aquinas College is accredited by the Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604, 800.621.7440. The College is approved by the Michigan Department of Education and the Council for the Accreditation of Educator Preparation (CAEP) to recommend candidates for teacher certification.

II

Admissions and Registration

Admissions

Traditional-Age Student

Transfer Student

Continuing Education

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Admissions

Traditional-Age Student Admissions. A candidate for admission to Aquinas is considered on the basis of academic preparation, scholarship, and character. Admission depends on a number of factors, including high-school academic record and the scores achieved on the ACT (American College Testing Program) or the SAT (Scholastic Aptitude Test of the College Entrance Examination Board) and college transcripts (if applicable).

If students plan to apply for financial aid from the State of Michigan Competitive Scholarship, they must take the ACT or SAT. No other scores are accepted by the Michigan Higher Education Assistance Authority.

Application for admission to the Freshman class should be made as early as possible in the senior year of high school (the college has rolling admissions). Students should present the following credentials:

1. A completed application form. The application is on our website at aquinas.edu. Aquinas does not charge an application fee.
2. An official high school transcript
3. The results of the SAT or ACT (writing component not required)

Students must submit a minimum of sixteen (16) acceptable academic units from an accredited high school. The distribution of the sixteen (16) units should represent reasonable coverage of the areas usually included in a college preparatory curriculum.

Home Schooled Students. Aquinas encourages home-schooled students to consider furthering their education after completion of their high school curriculum. Students are asked to submit a high school transcript indicating the coursework, curriculum, and grades received in their program. Greater emphasis is placed upon the results of the ACT or SAT standardized test in consideration for admission. Aquinas College does not require an “Ability to Benefit” test. Additional questions should be directed to the Admissions office.

Early Admissions. In the case of an exceptional student, the requirement of graduation from a secondary school may be waived at the discretion of the Committee on Admissions.

Dual Enrollment. High school students are eligible to be dually enrolled in college courses. School districts may provide tuition, books, and course-related fees. Students must apply for admission and meet set admission requirements. Appropriate paperwork can be obtained in the high school guidance office. Please be advised that, by registering for a class, you consent to an official transcript of your college credit being released to your high school upon completion of the course. Special tuition rates exist for Dual Enrolled students. Please visit aquinas.edu/undergraduate for more details.

Middle College. For information regarding Aquinas College’s admission policy of Middle College credits, please refer to the admissions requirements area of our website at aquinas.edu/undergraduate/middle_college

Transfer Student Admissions to the Traditional-Age Program From Two-Year Colleges. To be admitted to Aquinas, students must have earned at least a 2.0 cumulative GPA at any previous college in all acceptable college coursework. All previous credit applicable to students’ degree program, excluding that earned in vocational, secretarial, or technical courses, is accepted upon students’ transfer. Any coursework below a C- will not be accepted for transfer credit. Transfer courses do not count toward the overall grade point average at Aquinas College. Aquinas accepts up to sixty (60) semester hours from an accredited community or junior college.

Prospective transfer students from two-year schools cannot be admitted if they have been dismissed from or are currently on academic probation.

Associate of Arts Degree. Students entering Aquinas College who have completed the MTA and an Associates of Arts Degree have satisfied the general education requirements except for a course in Theological

Foundations. Students will also need to complete the general education competency requirements from the following categories if not already complete through transfer of credit.

- Writing Intensive
- Senior Capstone
- English & Mathematics

Aquinas College will accept a maximum of sixty (60) transfer credits earned at a community college.

NOTE: students pursuing elementary education have a special set of general education requirements. Please see the School of Education for details.

Michigan Transfer Agreement (MTA). Aquinas College accepts MTA transcripts from any Michigan college or university to meet many of the general education requirements. Details of the MTA agreement can be found online at aquinas.edu/transfer. Please contact our Registrar's Office at (616) 632-2871 for additional information.

From Four-Year Colleges. If students transfer to Aquinas from an accredited four-year college, they may transfer all liberal arts and science credits earned at previously attended school(s) and applicable to students' degree program. Students must complete all distribution requirements and any core requirements specified in the catalog in the year in which they transfer into Aquinas College. However, at least thirty (30) semester hours must be earned in residence at Aquinas, and certain departments require at least half of the major course work to be completed here. Please refer to the index for residency requirements. Prospective transfer students from other colleges cannot be admitted if they have been dismissed from or are currently on academic probation at another college. A minimum cumulative GPA of 2.0 in previous courses is required. Any coursework below a C- will not be accepted for transfer credit. Transfer courses do not count toward the overall grade point average at Aquinas College.

From Unaccredited Institutions. Undergraduate transfer credit from any institution that is not accredited by a regional accrediting association (such as the Higher Learning Commission) will be evaluated on a course-by-course basis. In each case, the student must request from the institution a course description and an indication of the instructor's qualifications for each course evaluated for transfer.

Transfer of credit from another institution to Aquinas involves at least three considerations:

1. The educational quality of the institution from which the student transfers
2. The comparability of the nature, content, and level of credit earned to that offered by Aquinas
3. The appropriateness and applicability of the credit earned to the programs offered by Aquinas, in light of the student's educational goals

Guest Status. Students from other colleges may be admitted to Aquinas as "guest" students by obtaining a guest application from their home institution and submitting it to Aquinas. Students should request an official transcript to be forwarded to their "home" institution upon the completion of the course. Guest students are charged the applicable per semester hour tuition rate.

Guest Applications. Aquinas students may take classes as guests at other institutions when it is advisable. Guest applications, available in the Registrar and Academic Advising Center, should be used to assure students that the courses elected will be acceptable toward a degree. If the course(s) chosen is in a major area, the student should review the choice with the major Department Chairperson prior to giving the application to the Registrar. Official transcripts should be requested from the guest institution upon the completion of the course(s) and should be mailed directly to the Registrar/Academic Advising Center at Aquinas College.

Continuing Education Admissions. Continuing Education programs at Aquinas are designed and intended for persons beyond conventional college age who are established in their adult lives and careers and whose

education has been interrupted. Accordingly, a person is eligible for admission to our Continuing Education program if they fit into any one of the following categories:

- Students whose education has been interrupted (an interruption of two or more years in higher education, or four or more years since high school graduation), or who have been continuously employed on a full-time basis for two or more years and who qualify as a self-supporting student as defined by financial aid regulations.
- All veterans of the Armed Forces or persons who hold a bachelor's degree or professional diploma.
- Students must meet the normal eligibility requirements for any on-campus instruction.

International Student Information. At Aquinas College, international students are defined as nonimmigrant students who hold a temporary U.S. study visa (F-1 or J-1) that indicate their intention to return to their home country upon completion of academic studies. U.S. Citizens, permanent residents, Deferred Action for Childhood Arrivals (DACA), and students from U.S. territories and protectorates are not classified as international students.

Application Procedures. All international students who wish to be considered for admission to Aquinas College must submit:

- An Aquinas College International Student Application form for the appropriate program for which they wish to pursue at aquinas.edu/apply (Undergraduate, Continuing Education, Masters of Management, etc.)
- A carefully-completed Attestation of Finances Form indicating financial support and supporting documents
- Translated and certified official copies of all previous academic work at the secondary school and college level
- Copy of passport ID page
- Proof of English Proficiency: TOEFL score of 79 or above (internet based), IELTS score of 6.5 or above, completion of ELS Language Center course of 112. This requirement is waived for citizens of countries where English is the native language.

English Language Proficiency. A student cannot have a successful educational experience at Aquinas without considerable knowledge of English. All textbooks and lectures are in English and are designed for American students. Essays, examinations and term papers are expected to be written in acceptable English. Prior to acceptance, each international student applicant for an undergraduate degree must demonstrate satisfactory proficiency in the English language by submitting scores from the TOEFL examination or another recognized test of English-language proficiency. The following scores: TOEFL - Computer based (213 or higher), TOEFL - Internet based (79 or higher) or IELTS 6.5 are the minimum acceptable standard for English proficiency. Two years of non-ESL based education at a U.S. Secondary School or completion of ELS Language Center course of 112 also meets this standard. Grades in English courses at another college or university will not be sufficient proof of English-language competence.

Financial Aid. New undergraduate international students may qualify for partial tuition scholarships. These scholarships may be renewed for up to five years of study at Aquinas College. Selection of scholarships is based on academic merit.

On-campus jobs for international students may be available. These jobs are meant to provide small amounts of money for incidental expenses, not to pay tuition, room, or board expenses. Prior to acceptance, all international students must demonstrate sufficient financial resources, including all financial aid, to pay for tuition, room and board, medical and living expenses, books, and fees.

Health. International students must meet the requirements of the United States for vaccinations and immunizations before entering this country. All students are required to submit a completed physical

examination form before they arrive at the College, and will be asked to provide proof of measles, mumps and rubella vaccinations, as well as current tetanus and tuberculosis immunizations.

Medical Insurance. Health care in the United States is very expensive and it is required that all international students purchase the health insurance policy that Aquinas has secured. If a student provides proof of coverage from a United States insurance company the Aquinas Health Center will determine if this requirement will be waived. An application for an insurance plan is mailed with admissions materials. Because dental insurance is not available through Aquinas College, it is recommended that dental work be done prior to departure from the home country.

Registrar

The College Calendar. Most day classes at Aquinas College follow the 16-week semester format with a mid-term break week. Most evening classes follow an accelerated eight-week quadmester format. Online courses are offered through the web as well as hybrid courses, which are web based courses requiring occasional meetings. The summer sessions are composed of an eight and a ten-week session.

Classification of Students. At Aquinas, undergraduate students are classified as regular full-time, regular part-time traditional age, continuing education, guest students, dual enrolled students, or non-degree seeking students.

A regular full-time student is one who is enrolled in a degree program taking twelve (12) or more hours of coursework each semester. Any student who registers for fewer than twelve (12) hours a semester is considered a part-time student. All students studying abroad at Aquinas on a student visa are considered regular students.

Continuing Education Programs are designed and intended for persons beyond conventional college age who are established in their adult lives and careers and whose education has been interrupted. An Admissions Review Committee determines the student's program classification.

A guest student is one who attends Aquinas for one semester in order to complete a class or classes to transfer to the home institution.

Students are further classified according to the number of semester hours they have accumulated:

- First Year 0–27 Semester Hours
- Sophomores 28–59 Semester Hours
- Juniors 60–93 Semester Hours
- Seniors 94+ Semester Hours

Non-degree students are those who do not meet entrance requirements or who do not plan to qualify for a degree. Courses taken by non-degree students may not later be counted toward a degree unless the student has been officially admitted as a degree student. Students are accepted as non-degree students at the discretion of Aquinas College.

Osher Lifelong Learning Institute at Aquinas College offers course opportunities to adults 50 years and above. Courses will not be taken for credit and tuition is adjusted for Emeritus students only.

Dual Enrollment. Aquinas College offers dual enrollment with local area high schools. Eligible juniors and seniors are able to take traditional college courses that have the same rigor and expectations as those taught on the Aquinas campus. They will then receive college credit at Aquinas College.

Academic Advising. Academic advisors are faculty and professional staff who assist students in planning their academic programs. Academic advisors are available throughout the year to assist students with any academic concern. Those assigned a faculty advisor will be notified of their assignment. A faculty member in the student's major department will become the faculty advisor upon the student's declaration of major.

Unit of Instruction. The unit of instruction is the semester hour, which is defined as equivalent to one class period of 50 minutes for each week of the semester. In the quadmester format, each three-semester hour course has a separate, specified independent study component.

Course Load. Full-time students usually enroll for fifteen (15) or sixteen (16) hours. To enroll for more than eighteen (18) hours in a semester, students must have the permission of the Registrar.

Registration. Newly accepted first year students and transfer students attend on-campus advising sessions, which are held prior to each semester. Registration materials are available on the website prior to each semester, which includes instructions for online registration through the Registrar/Academic Advising Center.

Late Registration Fee. Students who have not completed their registration process by the end of the second week of class may be assessed a Late Registration Fee of \$100.00 per class. Late Registration is at the discretion of the Registrar and Provost.

No Show Fee. Students who do not officially drop a class within the initial ten (10) business day add/drop period because of non-attendance, will be assessed a fee of \$150.00 per class. For students officially dropping a class, either before the class starts or within the first two weeks of the class, there will be no charge. It is the responsibility of the student to drop the class online or deliver the drop/add slip to the Registrar/Advising Center.

Drop/Add. Students may add a semester-long course during the first week of the semester. Students must attend the first class meeting of any quadmester classes. Students may drop a course with no academic penalty up to the midpoint of the semester or quadmester (except where a breach of academic honesty warrants the failure of the course). If the student does not complete the course and has not dropped the course by the final date to drop, a grade of "F" will be given for the course. It is the responsibility of the student to drop and add courses online or in the Registrar/Advising Center and to verify that the changes that they have made have taken place on their record.

Financial penalties relating to dropping a class can be found in the Expenses and Financial Aid section of this catalog.

Withdrawal. A student may choose to withdraw from ALL COURSES in a particular semester because of personal or health reasons. The student must notify the Registrar in writing of their intent to withdraw by completing a Withdrawal Form available in the Registrar/Academic Advising Center. The student will incur tuition charges according to the date of written notification of their withdrawal. Academic penalties will be incurred for any courses that are past midterm at the time of withdrawal.

Students should contact the Admissions Office when ready to return to Aquinas College. Aquinas may require that the student provide a professional assessment by a qualified medical doctor or psychiatrist depending on the reason for withdrawal.

Please note that if the Registrar receives notification that a registered student is no longer attending classes and has made no Approved Arrangement with instructors and the Registrar, the Registrar has the prerogative to immediately withdraw the student from Aquinas College. The student will be subject to all costs for tuition and must reapply for admission to the College. The Registrar will also register a student for a class they are attending but not registered for, which may result in added tuition costs and late registration fees.

The College realizes that on occasion, students may need to request an exception to the withdrawal policy. If the withdrawal was due to mitigating circumstances that were beyond the student's control, the student has the opportunity to provide relevant documentation to support a request to remove academic penalties. Please see the Registrar for assistance.

Please refer to the Expenses and Financial Aid Section of this catalog for a complete explanation of the Withdrawal Policy and the corresponding Financial Aid ramifications.

Independent Study. Students may independently pursue areas of study beyond the regularly scheduled courses. Each department offers this opportunity through courses 398 and 399. To register for one of these courses a student must first request an instructor to direct the project. If the instructor agrees, the student must entirely complete an Independent Study/Tutorial contract with that instructor, obtain the signatures of the faculty member and chairpersons, and take the contract to the Registrar/Academic Advising Center. The Registrar will register the student for the approved courses. If the signed contract is received in the Registrar/Academic Advising Center within two weeks of the beginning of the semester, the student may register for the course. Independent Study contracts may not be dropped after the first meeting day on the contract. These contracts are subject to approval by the Registrar and the Provost's office.

Tutorials. From time to time, for extenuating circumstances, students may ask for a course to be taught as a tutorial. Courses should only be taught as tutorials if the student needs the course and the course either has been canceled or does not appear in the schedule. Courses that have multiple sections offered are not considered for a tutorial. A qualified instructor may agree to teach a tutorial with permission from the department chair. To register for a tutorial, a student must entirely complete an independent study/tutorial contract (including rationale as to why it must be taught in this format), obtain the faculty and chairperson's signatures and take the contract to the Registrar/Academic Advising Center within the first two weeks of the semester or quadmester. Like Independent Study Contracts, tutorials cannot be dropped after the first meeting date on the contract and are subject to review by the Registrar and Provost's Office.

Credits

Credit-F Courses. Most courses are taken for a letter grade. However, a student who is enrolled in a course not in their major or minor may submit, during the first week of class only, a request to the instructor to be allowed to take the course on a Credit/No Credit basis. Credit equals C- or higher. The instructor has the prerogative to grant or deny the request.

Grades of "CR" (credit) count toward the 120 hours required for a degree but are not calculated in the GPA. Grades of "F" are failures and are calculated in the GPA. No more than eight courses taken for "CR" (credit) may be applied toward a degree.

Auditors. Most courses are open to auditors, who must be formally admitted to the College and must pay the tuition for auditing, which is half the regular per-course rate. Auditors are expected to attend all classes and participate in the assigned activities of the class. They may take all tests and submit assigned papers for evaluation, but they are not required to do so. Auditor status must be declared at the time of registration. In the event of limited registration, grade enrollees will be given preference.

Repeat Courses. A student may repeat a course only once, unless a further repetition is approved by the Provost. Each grade will be recorded on the student's transcript for every course taken, however, the last grade will be the grade recorded and used to calculate the GPA.

Additional Methods of Credit. Aquinas College awards credit for both the Advanced Placement Program (AP) and the College Level Examination Program (CLEP) through the College Board. Aquinas College will accept semester hours for those courses determined comparable to courses offered at Aquinas College for a minimum score of (3) for AP, and according to the minimum American Council on Education (ACE) recommended score for CLEP, and finally determined by the Academic Department in which the credit would reside to be acceptable in transfer.

Aquinas College awards credit for the International Baccalaureate Program (IB), an internationally recognized, pre-university curriculum based on an academically challenging integrated curriculum and international standards. Aquinas College will accept the Higher Level (HL) courses and exams with a minimum score of 5 for general college credit. Credit may be awarded within a specific department only with further approval of the department.

NOTE: There is a combined semester hour maximum of thirty (30) hours for any AP, CLEP, or IB.

Credit by Examination and Evaluation. If a student believes they have had experience comparable to a course listed in this catalog for which they have not received transfer credit, the student may apply for credit by examination. Student application for credit by examination requires a non-refundable \$50.00* fee. If a student's application for credit by examination is approved, the department chairperson is responsible for giving the examination and reporting the result to the Registrar/Academic Advising Center.

Any credit approved will be added to the student's permanent record for a fee of \$100.00* per semester hour granted. Credit acquired in this manner is not considered residency credit. Applications are available in the Registrar/ Academic Advising Center in Hruby Hall.

Credit through Demonstration of Prior Learning Competency. Students have the opportunity to demonstrate competency and college-level prior learning for general elective credit which, in some cases, may apply to a major or a minor. Students follow the Guidelines for Demonstrating Prior Learning. Copies of this document and an explanation of the process are available through the Registrar/Academic Advising Center. The Application for Demonstrating Prior Learning Competency may be submitted to the Registrar/Director of Academic Advising. The Registrar will determine whether or not to direct the application to the Prior Learning Competency Committee or to an academic department chairperson, if warranted. Student application for prior learning credit requires a non-refundable \$50.00 fee. Any credit approved will be added to the student's permanent record for a fee of \$100.00* per semester hour granted. Credit acquired in this manner is not considered residency credit.

Some academic departments provide opportunities for demonstration of prior learning through examination only.

*All fees are subject to change.

Cumulative GPA. Student cumulative GPA represents numerically the average of the letter grades students receive in coursework. Each letter grade (as demonstrated in the grading chart) has a certain honor-point value.

Student cumulative GPA is calculated as follows:

- number of semester hours as A x 4.0
- number of semester hours as A- x 3.7
- number of semester hours as B+ x 3.3
- number of semester hours as B x 3.0
- number of semester hours as B- x 2.7
- number of semester hours as C+ x 2.3
- number of semester hours as C x 2.0
- number of semester hours as C- x 1.7
- number of semester hours as D+ x 1.3
- number of semester hours as D x 1.0
- number of semester hours as D- x 0.7
- number of semester hours as F x 0.0

The honor-point total divided by the total semester hours (excluding courses in which students received "credit") gives the cumulative GPA.

Progress toward the Degree Evaluation. A student’s work in each course is evaluated by a letter grade and by the number of points earned.

Grade (per semester hour)	Honor Points
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	.7
F	0
I	Incomplete

Graduation requires an Aquinas GPA of 2.000 and a cumulative GPA of 2.000.

Prerequisites. Successful fulfillment of a designated prerequisite requires a minimum grade of C- (or higher if designated as such by the academic department).

A grade of C– or higher is required for GE101, 203, 170, language proficiency courses and mathematics proficiency courses. A grade of C- or higher is also required for each course within the major, minor or concentration, unless otherwise specified by the department. Students seeking a teaching certificate must earn a grade of “C” or above in all major, minor and education classes. All Aquinas College grades are recorded on an official transcript and are calculated in the student’s cumulative GPA.

A grade of I (Incomplete) may be reported for student work if for some acceptable reason a small portion remains unfinished at the end of the semester. Unless the instructor has arranged otherwise, the grade of I automatically becomes F if the work has not been completed within the first eight weeks of the next regular semester. Only in rare or exceptional cases can permission be given by the instructor to extend the date by another five weeks.

Academic Progress, Probation, and Dismissal. Students are placed on academic probation when it appears that their performance places their academic objectives in jeopardy. See “Academic Policies” section of this catalog for complete information.

Dean's List. The Dean's List honors are awarded to students who have a grade point average of 3.500 or above in a minimum of twelve (12) hours or more of graded credit in any regular semester. See "Academic Policies" section of this catalog for complete information.

Transcripts. All transcripts of a student's record are official transcripts bearing the seal of the College. Transcript requests should be made through the Aquinas College website, on the Registrar page or in the Registrar/Academic Advising Center. Transcripts are not issued until the student has made satisfactory arrangements with the Student Accounts Office in regard to payment of all College bills and fines. The charge for a transcript is \$7 (additional fee charged when ordering online).

Assessment Testing. As part of our ongoing program review and accreditation efforts, students are occasionally requested to take part in surveys and assessment testing sponsored by the College. Because these efforts are vital to the College's ongoing accreditation, students are required to participate when selected to ensure the validity of the random samples. Results are viewed on an aggregate basis and students' individual performances on these tests will have no bearing on their academic status.

III

Academic Policies

Academic Policies

Attendance

Student Email Account Policy

Academic Integrity

Academic Grievances

Academic Probation, Dismissal & Warning

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Academic Policies

Aquinas College students are responsible for knowing and abiding by all rules and regulations as outlined in the Aquinas College Student Conduct Code. For more information go to aquinas.edu/policies.

**For a list of all policies, please visit
aquinas.edu/about-aq/college-policies**

Attendance

Responsibility for class attendance rests with the individual student. Most instructors have an attendance policy in their classes, and attendance in the general education core curricular courses is mandatory. Regular and punctual attendance is expected, and the student must accept the consequences of failure to attend or tardiness.

In the case of student absence due to temporary illness, injury, or personal difficulty, the Registrar's Office will notify the student's professors via email. Proper documentation should be provided by or on behalf of the student. Notification may be made at the request of the student, the Athletic Department, the Office of Student Affairs, or other appropriate College office. Students with disabilities that may impact class attendance may contact Accessibility Services (616 632-2177) to request reasonable accommodations. Students in mental health crises may contact Counseling, Health, and Wellness (616 632-2905) to facilitate notification.

It is the student's responsibility to communicate directly with each faculty member (prior to the absence, if possible) to discuss missed class meetings and course requirements. Each faculty member has final authority over any academic consequences associated with absence from class.

Student Email Account Policy

Every Aquinas College student is assigned an Internet e-mail account. It is, therefore, the policy of the College when disseminating official college business information electronically to use College-assigned accounts.

Further, it is the responsibility of each student to check the College-assigned e-mail account regularly. If a student uses another account as their primary account, then mail sent to the College-assigned address should be forwarded to that primary account. Initializing this procedure can be accomplished by following instructions provided on Google's Help Center, <http://support.google.com/mail/>

While faculty and staff are encouraged to direct all electronic messages to a student's college-assigned e-mail account, this policy does not preclude the sending of information to multiple individual student email accounts.

Academic Integrity

An Aquinas education is firmly grounded in the values articulated in our official Integrity Statement: Aquinas College is rooted in the Dominican traditions of prayer, study, community and service, combined with a deep respect for truth, honesty and integrity. In this spirit, we strive to create an environment in which integrity is prized and practiced. We expect all community members to uphold these values through honesty, fairness, and respect for others. Students, faculty, and staff are expected to act based on these values; therefore academic dishonesty is treated as a serious offense.

Plagiarism. It is understood that when students submit academic work, they are responsible for its integrity. When students submit work claimed to be their own, but which in any way uses ideas, organization, wording, or anything else from some other source without an appropriate acknowledgment of that fact, plagiarism has occurred. Plagiarism may take many forms. In general, however, it can be defined as presenting as one's own the words or work or opinions of another.

Students commit plagiarism when they submit as their own work:

- Part or all of an assignment copied or paraphrased from another source, any on-line source, a book, a magazine, or a manuscript, without proper citation
- Material prepared by another person or organization
- The sequence of ideas, arrangement of material, or thought pattern of someone else. Plagiarism occurs when such a sequence of ideas is transferred from the source(s) to a paper or other student work without the process of reflection, integration, and reorganization in the writer's mind, and without proper citation

Students are accomplices in plagiarism and equally culpable if they:

- Willfully allow their work, such as a paper in outline or finished form, to be copied and submitted as the work of another
- Prepare a written assignment for another student and allow it to be submitted as the other student's own work

In terms of plagiarism, when in doubt as to the criteria for assignments, it is the student's responsibility to consult beforehand with the instructor who will receive the finished work.

Cheating. Cheating includes, but is not limited to, any attempt by students to answer questions on a test or quiz by any means other than their own knowledge. Examples of cheating include, but are not limited to:

- Use of any materials in the process of completing an examination which have not been approved by the instructor; including a cell phone or other digital storage device
- Transmission of information, either given or received, during an examination period
- Intended observation of another's work for hints on materials or technique during a laboratory test without the consent of the instructor;
- Obtaining, in part or in whole, a copy of the examination without consent of the instructor
- Buying or procuring previous examinations given in the course without the consent of the instructor
- Submission of identical papers of work for two different courses without the explicit approval of both instructors.

Complicity. Complicity is assisting or attempting to assist another person in any act of academic dishonesty.

- Students may not allow other students to copy from their papers during an examination or on any assignment.
- Students may not assist other students in acts of academic dishonesty by providing substantive information about test questions or the material to be tested before a scheduled examination, unless they have been specifically authorized to do so by the course instructor. This does not apply to tests that have been administered and returned to students in previous semesters.

Violations of the Academic Honesty Policy. If a student is suspected of cheating or plagiarism, the instructor will communicate with the student. If it is confirmed that a violation has occurred, the instructor will determine which of the following penalties is to be applied in accordance with the instructor's course syllabus:

- The student may fail the test or paper in question.
- The student may be required to resubmit work or do additional work.
- The student may be assigned a grade of "F" for the course.

Reports of Academic Dishonesty. When an instructor knows that academic dishonesty has occurred, they will file the official form with the Department Chair and the Academic Integrity Liaison. The form includes:

- The student's name
- The nature and pertinent evidence of the violation
- The student's response
- Any action taken by the instructor.

Once a report is received, the student has three business days to meet with the Academic Integrity Liaison. If multiple reports are received regarding suspected or substantiated academic dishonesty by the same student, the Academic Integrity Liaison will refer the case to the Provost. The Provost has the discretion to take further disciplinary action which may include expulsion or suspension from the College or revocation of degree. A student may not withdraw from a course in which they have been sanctioned for academic dishonesty.

If the student feels they have been wrongfully charged with academic dishonesty, they may file an academic grievance. The student should contact the Academic Integrity Liaison for information about this process.

Academic Grievances

The Academic Grievance Office functions to assist Aquinas students in the resolution of academic controversies they may have with faculty or staff. While difficult to define, an academic grievance is generally understood to mean a student-initiated complaint against a faculty member as regards conduct alleged to be in violation of fair procedure in an academic matter. It is to be noted clearly that a course grade is not normally considered a proper subject for an academic grievance, unless the grade reflects an alleged violation of process and/or policy. The full Academic Grievance Policy is available at aquinas.edu/policies.

Student Records. The Family Rights and Privacy Act of 1974 is a federal law which states that a written institutional policy must be established and that a statement of adopted procedure covering the privacy rights of students must be available. The purpose of the law is to require institutions to maintain the confidentiality of student education records.

Aquinas College conforms to the requirements of the law. For further information concerning access to student records, please contact the Registrar/Academic Advising Center, Hruby Hall.

Student Right-to-Know Act Disclosure. In compliance with the Student Right-to-Know Act of 1990, current and prospective students may obtain graduation rate and transfer-out information for a cohort of students (full-time, first-time degree seeking undergraduates) from the Registrar/Academic Advising Center.

Examinations. Regular examinations in all subjects are held at the end of each semester. Oral and written quizzes are given from time to time with or without previous notice to the students. If a student unavoidably misses a test, it is their responsibility to contact the instructor to request a make-up test. The instructor has the prerogative to grant or deny the request.

Grade Reporting. Progress records will be available for students at the conclusion of each registration period to show record of those grades received in each course attempted. An e-mail to each student receiving grades for the registration period will be sent to their official Aquinas College e-mail account notifying them that their grades are available for viewing on My AQ. A printed grade report may be sent to the student upon their request to the Registrar/Academic Advising Center.

Semester progress reports are issued to all undergraduate students for semester long classes. On these reports, (S) Satisfactory, (M) Marginal, or (U) Unsatisfactory are listed on My AQ, but are not recorded in the student file or on a transcript. These reports are to alert the student to their progress as they approach the midpoint of each semester-long course in which they are enrolled.

Progress Toward the Degree. A student's work in each course is evaluated by a letter grade and by the number of points earned. Please refer to the Admissions and Registration Section of this catalog for complete information on honor points, the honor points table and an in-depth explanation of grades.

Academic Probation, Dismissal & Warning

Students are placed on academic probation when it appears that their performance places their academic objectives in jeopardy.

1. Academic probation is based on the grade point average of coursework attempted at Aquinas College. The grade point average required is determined by the number of hours accumulated toward a degree at Aquinas College, including any transfer credit. Students on Academic Probation must meet the conditions of their probation as established by college administrators.
2. Students will be considered as making unsatisfactory progress and will be placed on probation if:
 - Their Aquinas grade point average does not meet the following levels toward their Bachelor's degree requirements
 - After 12 hours (Aquinas plus transfer credit), 1.800 Aquinas GPA
 - After 36 hours (Aquinas plus transfer credit), 1.900 Aquinas GPA
 - After 60 hours (Aquinas plus transfer credit), 2.000 Aquinas GPA
 - Their Aquinas grade point average does not meet the following levels toward their Associate's degree requirements
 - After 12 hours (Aquinas plus transfer credit), 1.800 Aquinas GPA
 - After 24 hours (Aquinas plus transfer credit), 1.900 Aquinas GPA
 - After 36 hours (Aquinas plus transfer credit), 2.000 Aquinas GPA
 - They are not making adequate progress toward their degree program. Academic progress is defined in terms of the number of semester hours a student has earned at Aquinas College in relation to the number of years in attendance. Please refer to the Satisfactory Academic Progress Table #1, Table #2, and "Notes" in the Financial Aid section of this catalog.
3. Students will be dismissed when:
 - they remain on probation for two successive full-time (or full-time equivalent) semesters.
 - the semester GPA for any semester is less than 1.000, if, in the judgment of the Registrar, such action is in the best interest of the student. Students may appeal their dismissal to the Office of the Dean of Students.
4. Students earning less than a 2.000 for any semester's work, who do not specifically qualify for probationary status, will be sent a notice of Academic Warning. This category should warrant the student's concern, but does not require specific action. These students are encouraged to meet with their academic advisor to review their program and schedule.

Dean's List

Dean's List honors are awarded to students who have a grade point average of 3.500 or above in a minimum of twelve (12) hours or more of graded Aquinas College credit in any regular semester.

Part-time students are eligible for inclusion on the Dean's List if they complete twelve (12) hours or more of Aquinas College graded credit in any two consecutive semesters and achieve a grade point average of 3.500 or above during a year commencing with the fall semester.

Where students are both full-time and part-time in the same academic year, they are eligible for the Dean's List during any full-time semester in which they accumulate twelve (12) or more hours of graded credit of 3.500 or above, and any two consecutive part-time semesters in which they accumulate twelve (12) or more hours of graded credit of 3.500 or above in the same academic year.

The official Dean's List is established two weeks after the end of each marking period based upon the student's semester grade point average on that date. Incomplete grades must be changed to a final grade within two weeks

of the end of the semester to be eligible for the official Dean's List. Dean's List honors are noted on the student's permanent record and a formal letter of notification is sent to the student.

Awards presented to seniors upon graduation are: cum laude to those who have maintained a 3.500 GPA or higher throughout their college career; magna cum laude to those with a 3.700 GPA or higher; and summa cum laude to those with a 3.900 GPA or higher. These honors are noted on the student's permanent record and in the commencement program.

IV

Expenses and Financial Aid

Expenses

Tuition

Room and Board

Payment

Refund Policy

Financial Aid

Expenses

Tuition for 2018-2019 Academic Year

- Regular (traditional age) undergraduate students:

Full time load (12-18 semester	\$15,988 per semester*
Per semester hour rates:	
1–6 semester hours	\$498 per semester hour*
7–11 semester hours	\$1,022 per semester hour*
19+ semester hours	\$15,988 plus \$498 per semester hour over 18 cred

When a less than full-time regular student increases their semester hour load during the semester to twelve (12) or more semester hours, they will then be considered a full-time student and will be charged the package rate for the semester.

- Undergraduate: Continuing Education
All hours: \$498 per semester hour
- Traditional undergraduate students enrolled in the Aquinas College/ Western Michigan University Engineering Program: please consult the Aquinas College Engineering website for current pricing information. aquinas.edu/engineering
- Graduate: Master in the Art of Teaching (MAT), Master in Education (ME), Master of Science Education (MSE), Master of Management (MM), Master in the Art of Counseling (MAC)
All hours: \$570 per semester hour

Tuition for other College programs varies from program to program. Individual courses may also be subject to supplemental fees. Information on current tuition is available from the Student Accounts Office or at aquinas.edu/studentaccounts.

Tuition entitles the student to the following: class instruction, career counseling and testing services, use of the Grace Hauenstein Library, Wege Student Center and Health Center (applicable medical fees may apply), and admission to many College events.

The definition of a full-time regular student is: (1) traditional age student (Program type “R” for Regular) and (2) registered for a minimum of twelve (12) semester hours in a semester. A student with a program type of “R” will be considered full-time as of the 15th calendar day of the semester, regardless of subsequent schedule changes, and will be charged the package rate for all semester hours between twelve (12) and eighteen (18). Semester hours in excess of eighteen (18) will be charged on a per credit-hour basis.

Room and Board for the 2018-2019 Academic Year

Room (2018–2019)

Ruth Rasmus, Fr. Bartolome de las Casas, and St. Catherine of Siena Apartments	\$6,340 per academic year
	(\$3,170 per semester)
St. Martin de Porres and St. Rose of Lima Apartments	\$6,694 per academic year
	(\$3,347 per semester)
Double & Quad Capacity Room Rate	\$4,376 per academic year
	(\$2,188 per semester)
Single Capacity Rooms	\$4,642 per academic year
	(\$2,321 per semester)
LLC Theme Houses, Willowbrook	\$5,232 per academic year
	(\$2,616 per semester)

An increase rate exists for reduced occupancy residence hall rooms. Contact the Residence Life Office for a listing of these surcharges.

A housing commitment is for the entire academic year. Payment in full is required for a semester even if a student leaves before the end of the semester. If the student terminates their association with the College at the end of the first semester, the student is released from their commitment for the second semester.

Board (2018–2019)

Residence Hall Meal Plan	\$2,478 per semester
Theme House/Apartment Meal Plan	\$712 per semester
Community A Meal Plan	\$422 per semester
Community B Meal Plan	\$245 per semester

Residential students living in traditional residence halls (Regina, St. Joseph, Dominican, Hruby, Brown, etc.) are required to participate in the residence hall meal plan. Students living in the LLC Theme Houses, Willowbrook, and the apartments are not required to be on a meal plan, but may opt into any meal plan. Meal plans and commuter cash are available to commuting students as well. Contact the Food Service Office, located in Wege Center, for more information on these plans.

Deposits. A \$300.00 enrollment deposit (includes \$100 housing deposit) is required of all first year and transfer students. The deposit is refundable through May 1. If you will not be in housing the \$100.00 will apply to your tuition charges.

Special Fees

Full Time Regular Student Activity, record, and technology fees	\$299.00 per semester
Part Time Regular Student Records and technology fees	\$60.00 per semester
CE and Graduate Student Records and technology fees	\$60.00 per semester
Course and Laboratory Fees (for certain Art, Career Services, Education, Math)	\$5.00 to \$225.00
Credit by Exam Fee	
Processing fee per exam	\$50.00
Fee per credit hour (if granted)	\$100.00
Individual Music Instruction	\$424.00 per class
Late Registration Fee	\$100.00 per course
No Show Fee	\$150.00 per course
Orientation Fee (new students only)	
First year	\$200.00
Transfer or midyear start	\$50.00
Parking Permit - Commuter student	
One semester	\$65.00 per
Full year	\$105.00 per year
One quad	\$35.00 per quad
Parking Permit - Dual Enrolled student	\$25.00 per year
Parking Permit - Resident students	
One semester	\$155.00 per
Full year	\$300 per year
Prior Learning Credit	
Processing fee	\$50.00
Fee per semester hour (if granted)	\$100.00
Returned Check Fee	\$30.00
Study Abroad Program Fee	Varies
Transcripts	\$7.00 per copy

NOTE: Tuition, fees, and other charges are those in effect at the time of publication. All tuition, fees, and other charges are subject to change. The College reserves its right to revise its charges at any time if circumstances so warrant. Specific course fees are listed in the schedule each semester. All fees are nonrefundable.

Payment of Tuition and Fees. All tuition and fees are payable by the first day of the semester/quadmester unless a deferred payment option (see below) has been selected. Payment is due **regardless** of whether you review your bill or not. **All billing is done through MyAQ online and paper bills will not be sent out.** Students with outstanding obligations to the College will not be permitted to register until the total balance is below \$300.00. *The College reserves the right to request cash payment when circumstances so warrant. Students adding a course(s) during the add/drop period are required to obtain an invoice and settle any financial obligations at that time with the Student Accounts Office.

Payment Plans. Payment plans can be set up in the student's MyAQ (not automatic payments) or by accessing the student accounts webpage and choosing online payment plan through Official Payments (automatic payments), before the tuition due date. The office is open year round.

Student Accounts Balance Policy. If a student's balance is \$300 or greater, and they would still like to register for classes, they can do so by setting up a satisfactory payment plan during the current semester.

Satisfactory payment plans would have the semester balance under \$300 no later than December 28 to accommodate spring registration and May 28 to accommodate fall registration. This is the same for automatic (through Official Payments) or manual (through the student's MyAQ) payment plans.

Students will be dropped from their fall classes if they haven't paid their prior balance by one week prior to the start of the semester.

Aquinas College Employer Tuition Reimbursement Plan. The Aquinas College Employer Tuition Reimbursement Plan allows students who are eligible for tuition reimbursement from their employer to apply for deferred payment of tuition. A nonrefundable processing charge of \$35.00 per semester is due with the application for this plan. The application must be approved by the Student Accounts Office. Once approved, the student may defer payment of tuition up to six weeks following the last class of the course. This Plan is valid for Fall, Spring, and Summer terms of an academic year. The student must reapply for this plan each semester.

Additional information and applications for the payment plans described in this catalog are available by contacting the Student Accounts Office, Room 131, Hruby Hall or by visiting aquinas.edu/studentaccounts.

Past Due Obligations. Past due obligations include, but are not limited to, billing amounts past due for any semester, unpaid room damage charges, library materials or fines, telephone charges, health center charges, and parking fines. Students will not be permitted to register, make schedule changes, receive a transcript, or receive a diploma until all financial obligations are paid in full.

In addition to the charges associated with the payment plans described above, a service charge of 1 percent per month will be assessed on all balances not paid by the due date. A student whose account is delinquent will be dropped from the respective payment plan and the remaining balance due for the semester or quadmester will be due and payable immediately.

The College reserves its right to submit past due accounts to its collection agents and use legal action, if necessary, to secure any payment due. Fees of collection agencies which may be based on a percentage at a maximum of 33.3% of the debt, plus past and future monthly service charges as defined above, will be added to any debt. The actual cost of these collection services, all expenses, and if necessary, litigation costs, will be the responsibility of the student. By providing a telephone number to Aquinas College, students understand, agree and give express consent that Aquinas College or anyone working on their behalf, including third party vendors,

may contact them at the number provided by manually dialing the number or by using automated dialing technology.

Returned Checks. The return of a check for any reason constitutes non-payment. A \$30 fee will be imposed on the student for each check returned.

Errors or Disputes. Inquiries regarding schedules should be referred to the Registrar and Academic Advising Center. Inquiries regarding charges should be referred to the Student Accounts Office prior to the due date of the invoice. While we are investigating, you may withhold payment for the amount in question; however, you are still obligated to pay the part of your bill not in question.

Tuition Refund Policy. Students must be in good financial standing (account paid in full or payment plan in place) before making registration changes. Drops and withdrawals can be made by contacting the Registrar and Academic Advising Center or the appropriate Graduate Office. Only students can initiate registration changes. Tuition refunds resulting from drops, schedule changes, or withdrawals will be based on the date of official notification in writing to the Registrar and Academic Advising Center.

Regular Traditional Students

Dropping a class or classes. Regular students will be charged the full time rate if they remain registered for twelve (12) to eighteen (18) credits. Students have until 4pm on the 10th business day of the semester/quadmaster to drop a class without the potential of financial penalty. The 10th business day will always be the 2nd Friday of the semester/quadmaster. Any course dropped after 4 p.m. on the 10th business day will be considered a late drop and could result in additional tuition charges.

Withdrawal from Individual Classes. See Dropping a class or classes above.

Total Withdrawal from the College. The College assumes that a student beginning a semester intends to complete it. A student may choose to withdraw from all of their courses in a particular semester because of personal or health reasons. The student must notify the Registrar in writing of their intent to withdraw. Full time students will do this by completing a Withdrawal Form, available in the Registrar/Academic Advising Center. The student will incur tuition charges according to the date of written notification of the withdrawal. Academic penalties will be incurred for any courses that are past midterm at the time of withdrawal. The refund schedule for students who complete a Withdrawal Form to withdraw from the College (**all classes**) is as follows.

Full-time Traditional Students in the 16-Week format only or 16-Week and 8-Week combination

- During the first two weeks of the semester 100% refund
- During the 3rd week of the semester 90% refund
- During the 4th week of the semester 75% refund
- During the 5th week of the semester 70% refund
- During the 6th week of the semester 60% refund
- During the 7th week of the semester 55% refund
- During the 8th week of the semester 50% refund
- After the 8th week of the semester full charges apply

Part-time Traditional Students in 8-Week Format Courses

- During the first two weeks of the quad 100% refund
- During the 3rd week of the quad 60% refund
- During the 4th week of the quad 50% refund
- After the 4th week of the quad full charges apply

Any inquiries regarding the withdrawal policy should be directed to the Student Accounts Office. Any student who feels that individual circumstances warrant exceptions from the established policy may direct an appeal letter with explanation to the Appeals Committee, Student Accounts Office.

NOTE: In the case of a financial aid recipient, the portion refunded may include monies that must be returned to the Federal Title IV programs. The College will use the Title IV refund policy to determine the portion that must be repaid to the Title IV programs. Any refunds otherwise due to a withdrawing student will be reduced by such Title IV refunds. Please reference the Financial Aid pages in this section for a complete description of the Title IV Refund Policy.

NOTE: All withdrawal forms must be turned into the Registrar's Office by 4 p.m. on Friday. Any form received after 4 p.m. on Friday will be processed in the following week.

Adult Students—Continuing Education, MM, ME, MAT, MSE

Dropping a class or classes. Adult students have until 4pm on the 10th business day of the semester/quadmaster to drop a class for a full refund. The 10th business day will always be the 2nd Friday of the semester/quadmaster. Any student who drops a course after 4 p.m. on the 10th business day is not entitled to a tuition refund.

Withdrawal from Individual Classes. See Dropping a classes above.

Refund of Balance on Account. Students will receive email communications each semester from AQ when aid disbursements and refunds have been processed and made available to the student. Aid will be disbursed to the student account and billed charges will be paid. Excess funds will be issued after the drop/add period of the semester, within 14 days of the actual disbursement. (4th week of classes) All refunds will be issued via paper check. They will be held in the student accounts office for a period of 21 days and be available for pickup during business hours. They must be signed for to pickup. After 21 days any checks not picked up will be mailed to the home address on file. Please make sure we have correct information on file.

Financial Aid

Aquinas College financial aid programs are designed to help qualified students who might otherwise not be able to afford a quality private college education and to honor those students who deserve recognition for past academic or leadership success.

All Aquinas College students participating in any sort of Financial Aid must adhere to the Financial Aid Handbook found here:

aquinas.edu/FAhandbook1819

For all Financial Aid information, please contact the Financial Aid Office

Financial Aid

Location: Hruby Hall - HH 34

Phone: (616) 632-2893

Email: financialaid@aquinas.edu

Web Address: aquinas.edu/financialaid

V

Academic Programs

Degree Programs

Programs of Study

General Education Program

Other Degree Requirements

Academic Opportunities

Graduate Degree Programs

Courses of Instruction

Degree Programs

Aquinas offers the following degree programs:

- Associate of Arts
- Associate of Science
- Bachelor of Arts
- Bachelor of Fine Arts
- Bachelor of Arts in General Education
- Bachelor of Music
- Bachelor of Music Education
- Bachelor of Professional Accountancy
- Bachelor of Science
- Bachelor of Science in Business Administration
- Bachelor of Science in International Business
- Bachelor of Science in Athletic Training
- Bachelor of Science in Sustainable Business
- Master in the Art of Teaching*
- Master of Art in Counseling*
- Master in Education (Initial Certification)*
- Master of Management*

**A separate catalog is issued for these programs.*

Bachelor of Science in Engineering from Western Michigan University in collaboration with Aquinas College

Bachelor of Science in Nursing from the University of Detroit Mercy in collaboration with Aquinas College and St. Mary's Mercy Medical Center

Associate's Degree Requirements. To earn the Associate of Arts degree or Associate of Science degree, students must complete sixty (60) semester hours of work, which include the General Education Plan and proficiency requirements in English and Mathematics (excluding the Writing Intensive and Capstone requirements). At least thirty (30) of the sixty (60) semester hours must be earned at Aquinas College. The associate's degree holder may continue to work toward a bachelor's degree. Students must also be in attendance at the College the full-time equivalent of their last semester prior to graduation.

Bachelor's Degree Requirements. To earn a bachelor's degree students must complete 120 semester hours of work which include:

- completion of a major* (usually thirty (30) to forty-eight (48) semester hours)
- fulfillment of the General Education Program (semester hours vary)
- electives to make up the total 120 semester hours
- meeting the writing and mathematics proficiency standards and the residency requirement
- a minimum Aquinas grade point average of 2.000 as well as a minimum overall grade point average of 2.000
- at least thirty (30) of the 120 semester hours must be earned at Aquinas College.
- The student must also be in attendance at the College the full-time equivalent of their last semester prior to graduation, and have completed a minimum of thirty (30) hours of the last sixty (60) hours toward their degree at Aquinas College

Students will note that the Aquinas program of studies is divided into two significant components—an area of concentration or a major, and the General Education requirements. Electives provide the student with the

opportunity to expand either component—more specialization through a second major or a minor, or more breadth within the liberal arts courses of the college.

NOTE: The Bachelor of Arts in General Education (B.A.G.E.) does not require the completion of a major. If students elect the B.A.G.E., students must complete a planned program of 120 semester hours which includes courses designated for the General Education Program.

Documentation Regarding General Education Requirements:

NOTE: Students are subject to the general education requirements and the major requirements found in the academic catalog the year they matriculate.

In the event of faculty approval (via faculty assembly) of a curricular change, if the change creates an additional constraint on the student, it would not take effect until the next published academic catalog (the next academic year)--a basic grandfathering approach.

In the event of faculty approval (via faculty assembly) of a curricular change, if the change eases a constraint on the student, it may take effect immediately. A student may request permission to incorporate a requirement change into their degree program. A student must make the request in writing to the Registrar, including the specific request and rationale.

Residency. A minimum of thirty (30) semester hours must be earned at Aquinas College. Advanced Placement (AP) credit, Credit by examination, IB, Prior Learning Assessment, and CLEP credit (College Level Examination Program) do not count toward the residency requirement. Students must also be in attendance at the College the full-time equivalent semester prior to their graduation.

Programs of Study

Majors, minors, concentrations, or programs are available in these disciplines. For specific course information, see the offerings under “Courses of Instruction.”

Accounting	Business Admin/Accounting
Accounting	Business Admin/Art
Accounting/Business Administration	Business Admin/Chemistry
Art	Business Admin/Communication
Art	Business Admin/Music
Art History	Business Admin/Sport Management
Art/Business Administration	Business Admin/Theatre
Ceramics	International Business
Drawing	Catholic Studies
Painting	Chemistry
Photography	Biochemistry and Molecular Biology
Printmaking	Chemistry
Sculpture	Chemistry/Business Administration
Studio Art	Communication
Visual Arts Administration	Communication
Biology and Health Science	Communication/Business Administration
Biology	Communication/Theatre
Health Science	Interdisciplinary Communication
Business Administration	Community Leadership
Business Administration	

Computer Information Systems	Instrumental Supervision
Computer Information Systems	Liturgical Music
Management Information Systems	Music (General)
Data Analytics	Music Education
Economics	Performance Emphasis
Education	Nursing (partnership)
Elementary Certification	Philosophy
Secondary Certification	Physics
(For specific information, refer to the Education	Physics
section of the Catalog)	Chemical Physics
Engineering (partnership)	Political Science
English	Pre-Law (Legal Studies)
Literature	Psychology
Writing	Child Life Specialist
Environmental Studies	Development Psychology
Geography	Industrial/Organizational Psychology
History	Psychology
International Studies	Social Studies (Education)
Irish Studies	Sociology
Journalism/Publications	Sustainable Business
Kinesiology	Theatre
Business Administration/Sport Management	Theatre
Athletic Coaching	Theatre/Business Administration
Athletic Training	Theatre/Communication
Exercise Science	Theatre For Social Change
Health Education Teaching Minor	Theology
Physical Education Teaching K-12	Urban Studies
Legal Studies (Pre-Law)	Women's Studies
Mathematics	World Languages
Mathematics	French
Mathematics/Computer Science	German
Music	Japanese
Business Administration/Music	Spanish
Choral Supervision	Translation and Interpretation
Jazz Emphasis	

Students who desire an interdisciplinary major not listed above can contact the Registrar/Academic Advising Center regarding the possibility of arranging for a contractual major.

All undergraduate degrees, except the Associate's degrees and the Bachelor of Arts in General Education, require the completion of a major. While students may declare a major at any time, students should declare one by the time they have accumulated thirty (30) semester hours toward a degree, which will usually occur during the sophomore year.

Students are expected to fulfill the departmental requirements for the major as Specified in the College catalog current at the time of their matriculation.

If students have specific questions regarding requirements, they should consult with the department chairperson. All major requirements are subject to the approval of the department chairperson. If no specific residency for

the major is listed in the major description in the catalog, the residency requirement is a minimum of eighteen (18) semester hours at Aquinas.

Second Major. The flexibility of the Aquinas curriculum allows students to complete a second major if they wish. It is the prerogative of the department chairperson to choose what courses to allow toward their major if already counting toward another major or minor area of study.

Minors. To meet a particular educational, cultural or career objective, students may decide to complete a minor.

- A minor is a designated program of studies made up of core requirements and electives of eighteen (18) or more hours.
- A minor may be in one academic discipline with the content to be determined by the academic department.
- A minor may also be interdisciplinary with thematically related courses and approved by appropriate academic departments.

If a minor is being used for teacher certification, it must include a minimum of twenty-four (24) semester hours.

If no specific residency for the minor is listed in the minor description in the catalog, the residency requirement is a minimum of twelve (12) semester hours.

It is the prerogative of the department chairperson to choose what courses to allow toward their minor if already counting toward another major or minor area of study.

Only those students who have made application for a minor will have this achievement recorded on their transcripts.

OTHER DEGREE REQUIREMENTS

All students graduating with a degree from Aquinas College must demonstrate proficiency in English (writing) and mathematics.

English proficiency for traditional-age students. Students must successfully complete GE101 with a grade of “C–” or better to earn writing proficiency. Students earning less than a “C–” must repeat the course.

English proficiency for Continuing Education students, Based on the results of the assessment of academic skills and/or transfer credit, students may be placed in GE170 or GE101. Students must earn a grade of “C–” or better to earn writing proficiency.

English proficiency for students entering with an Associate of Arts degree. If a student transfers to Aquinas with an Associate of Arts degree, successful completion of a writing course equivalent to GE101 with a grade of “C–” or better will satisfy English proficiency requirements.

International Student Proficiency. International students must demonstrate competence in English by submitting scores from the TOEFL examination or another recognized test of English-language proficiency. A score of 550 on the TOEFL or a score at the 80th percentile of another test is the minimum acceptable standard. Grades in English courses at another college or university will not be sufficient proof of English-language competence.

Mathematics Proficiency. Successful completion of one of the following options will fulfill the Mathematics requirement:

- MS110 with a C– or better.
- MS111 or 114 or 121 or 122 or 231 with a C– or better.
- MS260/261 with a C- or better (teaching certificate requires a “C”).
- An equivalent mathematics course in transfer.

Second Bachelor's Degree. If a student already holds a bachelor's degree from an accredited college, they may earn a second bachelor's degree at Aquinas by completing at least thirty (30) semester hours of residence credit beyond receipt of the first degree and by satisfying all College and major requirements.

Professional Preparation. Aquinas offers courses of study which lead either to professions or further study at professional schools. Although it is possible to be admitted to some professional schools with two or three years of preparatory work, it is strongly recommended that students obtain an undergraduate degree first. This is particularly true of such schools as dentistry, law, medicine, and social work. Our academic programs can prepare students for entrance into any of the above professional schools. The College also offers courses to prepare for study of engineering.

General Education Program

The General Education Program focuses on the skills, knowledge, values, and ethics that Aquinas College believes each of its graduates needs to be prepared for career and life in a rapidly changing world. The program is rooted in the mission of the College, the Dominican tradition, and the liberal arts. It is structured to include both requirements and choice, and a core and distribution component. The General Education Program supports and is integrated across the four years of a student's education at Aquinas College.

Philosophy of General Education. The General Education Program combines a breadth of knowledge with the sequential development of a wide range of skills, expanding the students' knowledge and vision for their growth as human beings for their personal and professional futures. It is intended to foster the development of a desire for knowledge and truth, and a spirit of intellectual dialogue and inquiry. It should provide curricular and/or co-curricular opportunities for a knowledge of the Catholic intellectual tradition; for discovering and deepening the spiritual dimension of their lives; for recognizing the dignity and value of the individual with an appreciation of individual differences and the unique gifts each brings to the community; and for developing personally as productive, creative, competent, and compassionate individuals. This is done within an educational atmosphere in which all students, regardless of gender or race, have equal opportunity to contribute and learn.

The structure of the General Education Program includes some required core courses, whose content crosses other academic disciplines, as well as some areas of choice within a modified distribution system. Furthermore, the program provides an integrated and coherent learning experience complementing the work of the major, which provides the opportunity for an in-depth study of a student's area of interest.

The Aquinas faculty recognizes the advantage of a General Education Program that is structured as a framework over the four years. The integrated series of courses represents areas of skill level, and knowledge and values that are integrated throughout an Aquinas education.

General Education Program Learning Outcomes. In support of the College's mission, the Aquinas General Education curriculum addresses the student learning outcomes listed below, in which the student will:

1. Exhibit competence in disciplines across the liberal arts
2. Read critically and formulate relevant conclusions (critical thinking)
3. Demonstrate proficiency in communication (writing, speaking, reading, listening, presentation skills)
4. Acquire research and analysis skills (quantitative and qualitative)
5. Integrate knowledge of diverse perspectives and cultural traditions.
6. Understand the application of theological and ethical concepts in daily life.

Aquinas College
General Education Program
For Traditional Age Students
Core (6–9 semester hours)

YEAR 1

- GE100 First Year Experience: College in the 21st Century one (1) semester hour
- GE101 Inquiry and Expression (Integrated Skills Course) three (3) hours
- CD100 Career and Self Awareness one (1) semester hour (CD)

YEAR 2

- GE203 Question Everything: Research as Inquiry one (1) semester hour

IN YEARS 2 or 3

- Writing Intensive (WI) Course

IN YEARS 1, 2, 3, or 4

- Theological Foundation three (3) semester hours

IN YEAR 4

- Senior Capstone SC

NOTE: Number of hours dependent on initial placement.

Distribution (24–34 semester)

1. Social Science - six (6) semester hours Including one three (3) semester hour class from each of the following groups, one from each discipline.
 - Group 1: SS1: Accounting/Business/Communication/Community Leadership/ Economics/ Cultural Geography/Political Science/Psychology/Sociology/ Sustainable Business/Women’s Studies
 - Group 2: SS2 Communication/Cultural Geography/Political Science/ Psychology/ Sociology/ Women’s Studies
2. Humanities (9 semester hours) Including one three (3) semester hour class from each of the following groups
 - History or Philosophy: History/Philosophy (HP)
 - Artistic Theory: English Literature/Music Appreciation and History/Art Appreciation and History/Theater Appreciation and History/Humanities (AT)
 - Artistic Practice: English Writing/Musical Performance/Studio Art/Theater (AP)
3. World Language, Proficiency, or Equivalency Level (0-8 semester hours)
4. Natural World (6–7 semester hours) (NL: lab) (NN: non-lab)
 - Two courses representing two science disciplines (Biological, Physical, Earth Science). At least one must be a lab course.
5. Mathematics (3–4 semester hours) (MS)
6. Global Perspective (GP) - at least one (1) course

NOTE: In order to complete the graduation requirements, students must pass a course with each of the following designations:

Experiential Learning. Aquinas College encourages students to participate in at least one experiential learning activity prior to graduation. Experiential learning activities include:

- Study Away
- Service Learning including courses with academic service learning components
- Internships and/or practicum
- Undergraduate research
- Living Learning Communities

**Aquinas College
General Education Program for
Continuing Education Students**

Prior to beginning coursework at Aquinas, new Continuing Education students without an Associate of Arts degree may be required to take placement testing in areas of reading comprehension, writing, and mathematics. Testing is intended to help Continuing Education students plan a successful undergraduate program based on their individual needs.

Career and Counseling Services offers a career development course, CD210 Career and Life Planning This class is specifically designed for returning adults who want a theoretical and practical study of the career planning process applied to their interests, abilities, goals, academic discipline, and fields of interest. Focus is on self-assessment, development of a career and life plan, projects and techniques relating to personal career search and career management.

Core (6 semester hours)

- Placement Testing: Reading, Writing, and Mathematics
- GE 170: Foundations for Learning or GE 101 Inquiry and Expression three (3) semester hours
- Theological Foundation (TF) three (3) hrs.
- At least one course with Writing Intensive (WI) designation
- At least one course with Senior Capstone (SC) designation

Distribution (24–26 hours)

1. Social Science (6 semester hours) Including one three (3) semester hour class from each of the following groups, one course from each discipline.
 - Group 1 : Accounting/Business/Communication/Community Leadership/ Economics/ Cultural Geography/Political Science/Psychology/Sociology/ Sustainable Business/Women’s Studies
 - Group 2 (SS2): Communication/Cultural Geography/Political Science/ Psychology/ Sociology/ Women’s Studies
2. Humanities (9 semester hours) Including one three (3) hr. class from each of the following groups
 - History or Philosophy: History/Philosophy (HP)
 - Artistic Theory: English Literature/Music Appreciation and History/Art Appreciation and History/Theater Appreciation and History/Humanities (AT)
 - Artistic Practice: English Writing/Musical Performance/Studio Art Theater (AP)
3. Natural World (6–7 semester hours) (NL: lab) (NN: non-lab)
 - Two courses representing two science disciplines (Biological, Physical, Earth Science). At least one must be a lab course.
4. Mathematics (3–4 semester hours) (MS)
5. Global Perspective (GP) - at least one (1) course

Transfer Student Curriculum. Aquinas College subscribes to the MACRAO (Michigan Association of College Registrars and Admissions Officers) Michigan Transfer Agreement (MTA). Every student entering Aquinas College who has completed an Associate of Arts degree will have satisfied our general education requirements except for the Theological Foundation, Writing Intensive, and Senior Capstone. All students must meet proficiency requirements in English and Mathematics. Students transferring to Aquinas College must have transcripts sent from any previous place of training for evaluation toward their degree requirements at Aquinas College. An evaluation will be made and sent to the student upon receipt of all official transcripts.

Electives. Students' choices of a major determine the number of electives students may select. Some students apply their electives to a second major or minor. Elective hours may also be used for field experience, internship, the Campus Interchange or the Cultural Immersion Programs. Language majors are advised to participate in a cultural immersion program.

Academic Opportunities

Insignis Program For Honors Students. The Insignis Program for Honors Students seeks to create an environment in which students of exceptional academic potential can interact with each other in intellectual and social pursuits. Incoming first year students with a 25 composite score on the ACT or with 1200 combined (or 80th percentile) on the SAT, and who have maintained at least a 3.5 grade point average (GPA) in their high-school academic courses are invited to join Insignis. Current Aquinas students who wish to participate may be nominated by faculty members or may seek membership by applying to one of the Directors of the Insignis Program.

Insignis students work with instructors to design special seminars, or honors work, and they take honors-only sections of the General Education curriculum. Insignis students also take part in many on- and off-campus cultural events. A limited number of competitive scholarships are available. For further information, contact the Directors of the Insignis Program, Dr. Michelle DeRose, derosmic@aquinas.edu or Dr. Jennifer Hess, hessjen@aquinas.edu.

Internships. Internships offer students an experience related to their career goals while building important skills. Internships completed for academic credit must be approved by the Internship Director, student's academic advisor, and if completed for credit within a major or minor, the Department Chair. Internships for credit are subject to tuition fees. Internships can be paid or unpaid. Students may complete up to 12 credits of internship while at Aquinas College.

Career Services' staff members guide students in searching for internships, preparing for the application and interview process, and in requesting credit. Once approved, students participate in seminars and assignments to encourage reflection and articulation of the experience. Learning assessments are used to gauge and increase career readiness skills. Staff conduct individual onsite visits in conjunction with the on-site supervisor.

It is recommended that students plan for their internship in advance; competitive internships at national or global companies require additional time and planning. Information concerning internships, including deadlines, is available at aquinas.edu/internships or by making an appointment with a Career Services staff member.

Make an appointment online at aquinas.joinhandshake.com and click on Career Center or call (616) 632-2126.

Pierce Cedar Creek Institute. Pierce Cedar Creek Institute. Situated in Southwest Michigan, the Institute's 742 acres includes wetlands, forests, and restored prairie habitats in addition to modern education and research facilities. Consortium membership affords all Aquinas College students and faculty opportunities to participate in practical research within the natural sciences as well as creative pursuits such as visual arts and writing that further the Institutes mission of environmental stewardship and education. Experiential field courses and summer research grants are also available. To learn more visit cedarcreekinstitute.org.

Study Away: Dominican Exchange and International Programs. All applicants must be full-time Aquinas College students and must first be approved by the Aquinas College International Programs Office before they can participate in any of the current and future Study Away programs and before they can transfer corresponding academic credits back to Aquinas from any current and future Aquinas International Programs or Dominican Exchange Programs. Guest Student applications will be considered on a case-by-case basis. For more information, please reach out to the Aquinas College Advantage Center at 616-632-2126 or studyaway@aquinas.edu. The Aquinas College Advantage Center is located in Mother Victor Flannery Hall (on the corner of Robinson Rd and Woodward Ave). www.aquinas.edu/study-away

Graduate Programs

Aquinas College offers several graduate degree programs. Graduate courses are available to those with an undergraduate degree who qualify for graduate study through the application process or who are approved as non-degree seeking guest students.

Master of Art in Clinical Mental Health Counseling (MAC)

The Master of Art in Clinical Mental Health Counseling program is designed for people from all disciplines who wish to work in the mental health field. The MAC is designed to educate and train highly competent professionals to become Licensed Professional Counselors (LPCs). The program has been designed to meet national standards for training of professional counselors and exceeds the standards for licensure in Michigan. With a hands on, learn-by-doing approach, the MAC prepares students with a broad spectrum of courses enabling a broad scope of practice including assessment, evaluation, and diagnosis and treatment of mental and emotional problems. Students will have opportunities to focus on several specialty areas to enhance their general practice including counseling children, counseling the terminally ill and bereaved, clinical supervision, and marriage, couples, & family counseling. The MAC also offers a Pastoral Counseling program.

The strong liberal arts foundation at Aquinas College provides the MAC program with a distinctively different perspective on the mental health field. Courses are offered in evening, occasional weekend, and some hybrid-web formats to allow for more flexible scheduling. Full time students can complete the program in two years.

For additional information, call (616) 632-2996 or visit our Web site: aquinas.edu/mac.

Master in the Art of Teaching (MAT)

The Master in the Art of Teaching program offers advanced studies for certified classroom teachers. The program focuses on theory, practical applications, and a holistic approach to education. MAT students may add an endorsement or certification level in addition to or apart from earning their master's degree. Visit our website for a complete list of endorsement and concentration options.

Master in Education (M.Ed.)

The Master in Education (M.Ed.) program enables individuals with a bachelor's degree to earn their initial secondary (high school) teaching certificate while simultaneously earning a master's degree. M.Ed. graduate students are taken beyond textbooks and assignments to the core of education: learning. By focusing on such issues as assessment, language acquisition, research and home-community-school relations, students discover new ways of thinking – and of leading.

For information on graduate education programs, visit our website: aquinas.edu/education-graduate, or contact the School of Education at (616) 632-2800 or SchoolofEd@aquinas.edu

Master of Management (MM)

The Master of Management program is designed for people from all disciplines who are in positions of

responsibility within organizations and need the skills and knowledge to become more effective leaders. The MM program is focused on providing its students with a broad perspective grounded in theoretical concepts, with emphasis on applications in management, leadership, team building, communication, and decision making.

Aquinas College's strong liberal arts foundation provides the MM program with a distinctively different perspective on business, management, ethics and the environment. Courses are offered in evening and web formats to allow for more flexible scheduling. Concentrations in Organizational Leadership, Sustainable Business, and Marketing Management are available within the Masters of Management program.

For additional information, call (616) 632-2924 or visit our Web site: aquinas.edu/management.

Courses of Instruction

The following abbreviations are used with course numbers throughout the catalog and for computerized registration.

AG	Accounting	HY	History
AT	Art	IR	Irish Studies
BMB	Biochemistry and Microbiology	JE	Japanese
BS	Business Administration	KN	Kinesiology
BY	Biology	MC	Music
CA	Catholic Studies	MS	Mathematics
CL	Community Leadership	NUR	Nursing
CN	Communication	PC	Physics
CS	Computer Information Systems	PG	Psychology
CY	Chemistry	PH	Philosophy
DA	Data Analytics	PS	Political Science
EH	English	SB	Sustainable Business
EL	Environmental Studies	SH	Spanish
EN	Education	SY	Sociology
ES	Economics	TE	Theatre
FH	French	TY	Theology
GE	General Education	WL	World Languages
GN	German	WS	Women's Studies
GY	Geography		

Courses in Career Development (CD), Humanities (GE), Insignis (IN) and General Education (GE) are included under the “General Education & Interdisciplinary Courses” category.

The number in parentheses following each course title indicates the number of semester hours of credit.

Letter designations (BE, NL, etc.) following the semester hours indicate the course will fulfill a general education category requirement under the General Education Plan:

SS1 Social Science Distribution One	GP Global Perspective
SS2 Social Science Distribution Two	MS Mathematics
HP History/Philosophy	TF Theological Foundations
NL Natural World—Lab	SC Senior Capstone
NN Natural World—Non-Lab	TF Theological Foundations
AT Artistic Theory	WI Writing Intensive
AP Artistic Practice	

Accounting

Cynthia VanGelderens, M.B.A., C.P.A., Chair;

Anthony Burdick, M.S., C.P.A.; Kevin Cantley, M.B.A., C.P.A., C.G.MA

Mission Statement

The mission of the Accounting Department at Aquinas College is to provide excellence in accounting education, preparing technically competent, broadly educated, effective communicators and ethical decision-makers who will contribute productively to the accounting profession, organizations, and the community.

Student Learning Outcomes

1. Students will understand and be able to apply effective marketing, management, business law, economics, finance, and planning strategies.
2. Students will be able to understand, analyze, synthesize, and apply core accounting principles and concepts in for-profit and not-for-profit organizations in the areas of financial accounting, managerial accounting, auditing, tax, and accounting information systems.
3. Students will be able to identify and analyze problems, use research tools to determine alternatives, and effectively communicate recommended solutions using appropriate technology.
4. Students will demonstrate an understanding of professional accounting in a global environment and practice within an ethical framework.

NOTE: ALL Accounting courses qualify for General Education credit for the Social Science: Group 1 Distribution.

Accounting and Business Administration Dual Major – Bachelor of Science in Business Administration (B.S.B.A).

Major Requirements: Sixty-eight (68) semester hours.

Required Courses:

— CS156	— AG315	— AG410
— CS252	— AG320	— AG453 (SC)
— ES211	— AG330	— MS151 (MS252 or MS494 may be substituted)
— ES212	— AG336	— BS201
— AG210	— AG337	— BS202
— AG211	— AG390	— BS305
— AG304	— AG405	— BS331
— AG305	— AG405L	

At least twenty-four (24) semester hours must be taken at Aquinas College, eighteen (18) of which must be taken in accounting courses at the 300 level and above.

Professional Accountancy Major - Bachelor of Professional Accountancy - (B.P.A.) 150 Semester Hours

Major Requirements: Eighty-three (83) semester hours.

Required Courses:

— CS156	— AG211	— AG337
— CS252	— AG304	— AG390
— ES211	— AG305	— AG397 (Accounting Internship)
— ES212	— AG315	— AG405
— MS151 (MS252 or MS494 may be substituted)	— AG320	— AG405L
— AG210	— AG330	— AG410
	— AG336	

- | | | |
|--------------|--------------|-----------------------------|
| — AG453 (SC) | — BS331 | — Six (6) semester hours of |
| — BS201 | — BS460 | accounting or business |
| — BS202 | — BS492 (SC) | electives |
| — BS305 | | |

At least twenty-four (24) semester hours must be taken at Aquinas College, eighteen (18) of which must be taken in accounting courses at the 300 level and above.

Accounting Minor

Minor Requirements: Twenty-four (24) semester hours.

Required Courses:

- | | | |
|-----------------------------------|---------|---------|
| — AG210 | — AG304 | — AG315 |
| — AG211 | — AG305 | |
| — Minimum of five (5) hours from: | | |
| - AG330 | - AG340 | - AG405 |
| - AG336 | - AG390 | - AG410 |
| - AG337 | | |

A minimum of twelve (12) semester hours of the minor must be taken at Aquinas College in accounting courses at the 300 level and above.

Every course applied to an Accounting major/minor must be completed with a grade of C– or better. Students may take a course twice to obtain the requisite C–.

A number of college electives are offered and recommended depending on the type of certification desired, e.g. Certified Public Accountant (CPA), Certified Internal Auditor (CIA), Certified Management Accountant (CMA).

NOTE: ALL Accounting courses qualify for General Education credit for the Social Science: Group 1 Distribution.

Course Descriptions:

AG100 Financial Activities for Nonprofits (3) SS1 An introduction to financial information needed by decision makers for non-profit organizations. Includes an overview of financial reporting, managerial accounting and finance. Specific topics include financial statements, budgeting, strategies for revenue generation, relevant costs, time value of money and cash management.

AG104 Funny Money (3) SS1 An introduction to financial information used in investing decisions. Specific topics include the role of money, basic accounting processes and procedures, financial reporting, ethics in financial reporting, time value of money, and financial ratio analysis.

AG210 Principles of Accounting I (4) SS1 Introduction to financial accounting and its application to the reporting needs of organizations. Topics include basic accounting processes and procedures, financial statement preparation and analysis, internal control, and the recognition and measurement of accounts included in financial reports. Recommended: MS114

AG211 Principles of Accounting II (4) SS1 An introduction to managerial accounting concepts and the use of accounting information for planning, control and decision-making. Topics include costing of products and services, cost-volume-profit analysis, budgeting, performance evaluation, and costs relevant to decision-making. Prerequisite: AG210.

AG304 Intermediate Accounting I (4) SS1 A continuation of the study of financial accounting theory and practice. Topics include the development of accounting standards, conceptual framework of accounting, financial statement presentation, and the recognition and measurement of assets. Prerequisite: AG211.

AG305 Intermediate Accounting II (4) SS1 A continuation of AG304. Topics include long-term investments, liabilities, stockholders' equity, earnings per share, leases, taxes, and the statement of cash flows. Prerequisite: AG304.

AG310 Special Topics in Accounting (3) SS1 Variable topics in accounting. Offered on an occasional basis. Prerequisite: Varies with course offering.

AG315 Cost Accounting (3) SS1 Topics include cost definitions, product and service costing, activity-based costing, standard costs, flexible budgeting, planning and controlling costs, and other related topics. Prerequisites: AG211 and Excel proficiency.

AG320 Accounting Communication and Professional Development (3) SS1, WI Focuses on the development of research, writing, presentation, and communication skills necessary to be effective in an accounting career. It explores the accounting profession and develops students' abilities to navigate various accounting career paths. Prerequisite: AG211.

AG330 Accounting Systems (3) SS1 Reviews the design, implementation, and monitoring of information systems. Emphasis is placed on internal controls in the system. Prerequisite: AG304

AG/BS336 Tax Law I (3) SS1 Covers the basic concepts of federal income taxation applicable to individual taxpayers, including realization and recognition of income, deductions and credits. Prerequisite: AG211.

AG/BS337 Tax Law II (3) SS1 Continued study of the basic concepts and principles of federal income taxation applicable to partnerships and corporations. Topics covered include partnerships, S corporations, regular corporations, LLCs, LLPs, gift tax and estate tax. Prerequisite: AG/BS336.

AG340 Forensic Accounting (3) SS1 Introduces basic principles of forensic accounting and analysis of financial evidence. Emphasis on evidence, evaluation of systems and fraud detection. Topics include ethics, investigation, legal professional privilege, forensic evidence, and elements of fraud-related offenses. Prerequisite: AG211

AG390 Accounting for Nonprofits (3) SS1 Provides an introduction to accounting rules for state and local governmental units, hospitals, colleges and universities, and other nonprofit organizations. Prerequisite: AG304

AG397 Field Experience (Variable) SS1 Up to twelve (12) semester hours of accounting internship or cooperative experience. Prerequisite: approval of the department chairperson. Pass/Fail.

AG399 Independent Project (Variable) SS1 An individually negotiated project of a defined nature established by contract between the instructor and student. Contract filed with the Registrar. Prerequisite: approval of the department chairperson.

AG405 Auditing (3) SS1 Introduces auditing theory and current procedures and practices. Includes a review of the ethical and professional standards required of the CPA. Other topics include the audit environment, the audit process and the audit report. Prerequisites: AG305 and AG315.

AG405L-Auditing Technology (1) SS1 Introduces auditing software widely used by CPA firms, industry and governments. Course should be taken in conjunction with AG405. Prerequisites: AG305 and AG315.

AG410 Advanced Accounting (4) SS1 A review of complex accounting areas including, but not limited to, business combinations and consolidations, partnership accounting, and international accounting. Prerequisite: AG305.

AG450 CPA Review (Variable) SS1 An organized review of auditing and attestation, financial accounting and reporting, regulation, and business environment and concepts in preparation for the CPA Examination. Some emphasis on developing exam-taking skills. Prerequisite: AG405 or AG410.

AG453 Cases in Accounting (3) SS1, SC Accounting capstone course in which students are evaluated on their ability to identify and analyze organizational problems of a financial nature and recommend solutions. Prerequisites: AG405 and senior status.

BA majors in Art History are required to earn a minimum of eighteen (18) semester hours in art history at Aquinas College. Art History majors are asked to consult with Dr. Joseph Becherer for clarification of these requirements.

It is recommended that Art History majors pursue an internship in the arts prior to graduation.

Students majoring in Art History are strongly advised to enroll in the following courses as outlined below:

First year, First semester -AT150 History of Art & Architecture I	First year, Second semester -AT151 History of Art & Architecture II
Second year, First semester -Art history elective	Second year, Second semester -Art history elective
Third year, First semester -AT350 Modern Survey (AT, WI)	Third year, Second semester -AT391 Contemporary Art (AT, WI)

Fine Arts Degree Majors – Bachelor of Fine Arts (B.F.A.) Ceramics, Drawing, Painting, Photography, Printmaking, New Forms, or Sculpture.

Major Requirements: Seventy-eight (78) hours made up of Thirty six (36) hours of foundation studio courses, twelve (12) hours in a primary studio concentration, nine (9) hours in a secondary studio concentration, six (6) hours of art electives, and fifteen (15) hours in art history courses.

Required Courses:

- AT130 (AP)
- AT131
- AT142 (AP)
- AT143 (AP)
- AT201
- AT202
- AT212 or AT211 (AP)
- AT230 (AP)
- AT311
- AT321 (AP)
- AT341 (AP)
- AT400 (SC)
- AT150 (AT)
- AT151 (AT)
- AT350 (AT, WI)
- AT391 (AT, WI)
- An art history elective
- Six (6) hours of art electives
- A Secondary studio concentration (9 hours) in: ceramics, drawing, painting, photography, printmaking, sculpture or new forms studio
- A primary studio concentration (12 hours) in: ceramics, drawing, painting, photography, printmaking, sculpture or new forms studio

BFA majors are required to earn a minimum of thirty (30) semester hours in studio and nine (9) semester hours in art history at Aquinas College. At least nine studio art semester hours must be earned during the last two years before graduation. Entry into the BFA program is via a portfolio review conducted near the end of each semester. To remain in the program, BFA students are required to have their portfolio successfully reviewed each semester. A final thesis exhibition is required of all BFA students before graduation. This exhibition must be approved by the Art Department faculty and verified by the department chairperson. BFA Majors are required to submit a portfolio of work completed at Aquinas before mid-term of their last semester. See department chairperson for details of this portfolio.

BFA majors are strongly advised to enroll in the following courses as outlined below:

First year, First semester -AT130 Basic Drawing I	First year, Second semester -AT131 Basic Drawing II
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-AT143 2 and 3 Dimensional Design	-AT142 Graphic and Digital Design
Second year, First semester -AT150 History of Art & Architecture I -AT201 Life Drawing	Second year, Second semester -AT151 History of Art & Architecture II -AT202 Advanced Drawing

Dual Major in Business and Art: Visual Arts Administration

Major requirements: Sixty-nine (69) semester hours

Required Courses:

Thirty-six (36) hours in Business & related courses

- | | | |
|---------|--------------|---------|
| — BS201 | — BS357 (WI) | — ES211 |
| — BS202 | — BS460 | — ES212 |
| — BS305 | — AG210 | — MS151 |
| — BS311 | — AG211 | — CS152 |

Thirty-three (33) hours in Art courses

- | | | |
|---|--------------|------------------|
| — AT130 (AP) | — AT150 (AT) | — AT350 (AT, WI) |
| — AT142 (AP) or AT143 (AP) | — AT151 (AT) | — AT391 (AT, WI) |
| — Three (3) studio courses selected from: | | |
| - AT212 (AP) | - AT311 | - AT331 (AP) |
| - AT230 (AP) | - AT321 (AP) | - AT341 (AP) |
| — 6-hour internship in Arts Management | | |

The 18-hour residency requirement must include nine (9) semester hours in the Art Department. Students should consult with the department chairperson for clarification.

Students majoring in Business and Art: Visual Arts Administration are strongly advised to enroll in the following courses as outlined below:

First year, First semester -AT130 Basic Drawing I -AT143 2 and 3 Dimensional Design	First year, Second semester -AT142 Graphic and Digital Design
Second year, First semester -AT150 History of Art & Architecture I	Second year, Second semester -AT151 History of Art & Architecture II

Minor Programs in Studio Art and Art History

Art History Minor

Minor Requirements: Twenty-one (21) semester hours

Required Courses:

- | | | |
|--------------|------------------|--------------------------------------|
| — AT150 (AT) | — AT350 (AT, WI) | — Three elective Art History courses |
| — AT151 (AT) | — AT391 (AT, WI) | |

To earn an art history minor, a minimum of twelve hours must be earned at Aquinas College.

Studio Art Minor

Minor Requirements: Twenty-four (24) semester hours

Required Courses::

- AT130 (AP) — AT150 — Twelve (12) semester hours
- AT142 (AP) or AT143 (AP) — AT151 studio electives

Students intending to earn a minor in studio art are required to complete, with the Art department chairperson, a minor agreement form. To earn a studio art minor, a minimum of twelve hours must be earned at Aquinas College.

Exhibition Program. The Art and Music Center houses an excellent exhibition facility, through which the Art Department's exhibition program provides art students and the College and civic communities the opportunity to experience, study, and enjoy artwork in a wide variety of media and conceptual concerns. Exhibition opportunities and requirements are part of each degree program.

Art History Course Descriptions:

Art majors should follow recommended course sequences. Non-majors are welcome in any art history course. Art History General Education Courses:

AT150, AT151, AT161, AT260, AT275, AT350, AT360, AT380, and AT391, fulfill the College's Artistic Theory requirement

AT350, and AT391 fulfill the College's Writing Intensive requirement

AT360 fulfills the College's Global Perspectives requirement.

AT150 History of Art and Architecture I (3) AT Course offered fall only. A survey of global art from pre-history to 1300 CE.

AT151 History of Art and Architecture II (3) AT Course offered spring only. A survey of global art from 1300 CE to the present.

AT161 Understanding Art and Museums (3) AT A sampling of a wide range of Art with emphasis on understanding the elements, principles, and language of the visual arts, selected artists, their works, and their historical contexts. This course will not apply for credit in the studio art major.

AT260 Nineteenth-Century Art in Europe (3) AT Course offered spring of even years. An exploration of Eighteenth- and Nineteenth-Century art in Europe with special emphasis on the Enlightenment and Romanticism.

AT275 Renaissance Art in Rome, Florence, and Venice (3) AT Course offered fall of even years. An investigation of the masters and monuments from 1250–1550. Emphasis is placed on Italy culminating in a study of Leonardo, Michelangelo, and Raphael and their legacy; however, Northern masters and styles will be introduced.

AT350 Modern Art (3) AT, WI Course offered fall only. A survey of modern art practices in Europe and the United States from 1880 to 1945.

AT360 Art: A Global Perspective (3) AT, GP Course offered spring of odd years. This course offers a survey of art from a global perspective by analyzing works of art from the pre-contact Americas, Africa, Asia, the Pacific and contemporary art world. Special consideration is given to the idea of world heritage and art history's engagement with art beyond the western world.

AT380 Rembrandt and the Baroque (3) AT Course offered fall of odd years. A study of the artistic styles and cultural centers of European painting, sculpture and architecture of the 17th and 18th centuries. Emphasis will be placed on the development and legacy of leading masters such as Rembrandt, Rubens, Bernini and Caravaggio.

AT384 Art and Architecture Abroad (3) An intensive seminar (quad format) in the art history of a region outside the United States that includes a travel abroad component (past courses have gone to Paris and London). Prerequisites: AT150, AT151, AT130.

AT391 Contemporary Art (3) AT, WI Course offered spring only. An exploration of the primary currents in the visual arts from 1945 through the present. Leading figures and artistic currents in the United States and Europe are discussed as will the expanding role of art theory and criticism.

AT398 Independent Readings in Art History (Variable) Individually-negotiated program of readings on selected topics established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

AT420 Theory & Methods of Art History (3) SC This intensive course introduces the history, philosophy, and practice of the field of art history from antiquity to the present, reflecting on how different theoretical approaches shape thinking and writing about art.

Studio Course Descriptions:

The following studio courses fulfill the Artistic and Creative Studies Practice General Education requirement: AT111, AT130, AT142, AT143, AT212, AT230, AT240, AT242, AT252, AT311, AT321, AT331, AT341, and AT382

All studio courses require a lab fee. Consult current course schedule.

AT111 Art for Non-Majors (3) AP Course offered fall and spring. Introduction to visual thinking and process in art through a studio art experience. Specific media (ceramics, drawing, painting, print-making, photography, or sculpture) will vary from semester to semester.

AT130 Basic Drawing I (3) AP Course offered fall only Introductory course in drawing from life using traditional materials and subject matter including still life, landscape, and the human figure. A sequence of projects isolates technical and compositional problems.

AT131 Basic Drawing II (3) Course offered spring only Continuation of AT130. Emphasis on increased understanding and control of composition as well as basic elements of drawing. Exploration of additional drawing media and techniques. Individual creative solutions encouraged. Prerequisite: AT130.

AT142 Graphic and Digital Design (3) AP This course introduces the technical and creative aspects of graphic design, digital design and the design process. Assignments will introduce the most current computer applications and image making software used in the graphic design profession. Traditional and digital design environments will be explored, and principles of 2-d design will be woven into every unit, every project, and every media used.

AT143 2 and 3 Dimensional Design (3) AP This course will cover the basic elements of both 2 and 3 dimensional design. Studio problems, readings, and critiques will create a visual vocabulary and develop familiarity with both 2 and 3-D materials. Color theory will also be introduced.

AT201 Life Drawing (3) Course offered fall and spring Beginning course in drawing the human form using both clothed and nude models. Accurate observation and rendering will be emphasized along with compositional elements and recognition of a developing personal aesthetic. Prerequisite: AT131.

AT202 Advanced Drawing (3) Course offered fall and spring Continuation of AT201, Life Drawing; broadened technical and conceptual approaches introduced; strong encouragement in recognizing and developing individual direction. Prerequisite: AT131. This course is not accepted for the Artistic Theory or Practice requirement.

AT211 Beginning Digital Photography (3) AP Our goal in this course is to learn the techniques of a medium, here digital photography, to allow you to express your own ideas. We will explore digital photography, including basic camera handling, image editing and printing. Techniques, aesthetics and concepts will be discussed through class critiques.

AT212 Photography I (3) AP Course offered fall and spring Exploration of photography as fine art. Includes: basic camera handling, black-and-white film development and printing, aesthetic discussion and critiques. All photography courses require an additional lab fee. Consult current course schedule. Equipment required: 35 mm camera.

AT213 Photography II (3) Course offered fall and spring Continuation of Photography I. Includes further development of camera techniques, darkroom skills, and manipulation of print. Digital photography an option for some projects. Postmodern issues in photography also covered. Individual directions are encouraged, written and verbal critiques included. All photography courses require an additional lab fee. Consult current course schedule. Prerequisite: AT212. This course is not accepted for the Artistic Theory or Practice requirement.

AT214–219 Photography III-VIII (3) Course offered fall and spring. Advanced photography course emphasizing personal artistic growth. Frequent critiques. Exploration of advanced techniques. Digital photography an option for some projects. All photography courses require an additional lab fee. Consult current course schedule. This course is not accepted for the Artistic Theory or Practice.

AT230 New Forms Studio (3) AP Course offered fall semester only Based in a post-modern art aesthetic, this course will allow students to make art using a concept-driven approach. Ideas will be developed via reading, journal-writing, sketching, video, and photography. Final art works will use media appropriate to the idea.

AT231-235 New Forms II (3) Based in a post-modern art aesthetic, this course challenges students to make art using concept-driven approach. Ideas will be developed via reading, journal writing, sketching, video and photography. Final artworks will use media appropriate to the chosen idea and be shown in the AMC Gallery. This course is not accepted for the Artistic Theory or Practice requirement.

AT/EH240 Artists and Writers in Collaboration (3) AP A studio/writing workshop centered on collaborative production of art works and creative writing. Students are encouraged to register in collaborative pairs if possible. Prerequisites: for EH240, EH210; for AT240, one studio art class. For EH240 and AT240, junior or senior status or instructor permission.

AT242 Digitally Based Art (3) AP The Digitally Based Art class is designed to expose art students to various methods of using current image editing technology in the creation of art. Students will not only learn to use image editing software and equipment and how to incorporate new technology into their art practice, but will also learn about the place that technologically based art has in modern art history and in the current discourse. Prerequisite: AT140

AT/WS 252 Women, Ceramics, and the Creative Process. (3) AP The study of contemporary women ceramic master artists through lecture, discussion and studio work using clay. Images, concepts, and styles of artists studied will be incorporated into student-made ceramic vessels.

AT302–307 Advanced Drawing III–VIII (3) Course offered fall and spring Individual problems in drawing defined by the student, approved by instructor. Options include addressing a traditional or non-traditional, figurative or non-figurative direction. Frequent critiques. Scheduled in same time slot as AT201 and AT202. Prerequisite: AT202.

AT310 Special Topics in Art (1–3) Trial courses on variable subject matter in studio art or art history, outside of the focuses of regularly scheduled courses.

AT311 Painting I (3) Course offered fall and spring Beginning course in oil painting. Introduction to basic tools and techniques, with an emphasis on observation and composition. Prerequisites: AT130, AT140 or instructor approval.

AT312 Painting II (3) Course offered fall and spring Continuation of Painting I with more advanced problems and techniques. Prerequisite: AT311 or instructor approval. This course is not accepted for the Artistic Theory or Practice requirement.

AT321 Sculpture I (3) AP Course offered fall and spring Traditional life-sized figurehead project modeled in clay and either kiln-fired or cast in plaster. Additional figurative sculptural problems.

AT322 Sculpture II (3) Course offered fall and spring On a rotating basis, opportunities to work in steel, stone, clay, plaster, bronze, and assemblage. The conceptual emphasis will be on 20th century approaches to sculpture. Individual sculptural directions will be encouraged. This course is not accepted for the Artistic Theory or Practice requirement.

AT331 Ceramics I (3) AP Course offered fall and spring Introduction to ceramics as a fine-art form. Hand building, wheel-throwing, and glazing techniques. Frequent critiques will build skills in evaluating art objects.

AT332 Ceramics II (3) Course offered fall and spring Continuation of Ceramics I. Greater student involvement in wheel-throwing, glazing, and firing techniques. Individual directions encouraged. Frequent critiques. Prerequisite: AT331. This course is not accepted for the Artistic Theory or Practice requirement.

AT341 Printmaking I (3) AP Course offered fall and spring Beginning course in etching, lithography, and relief printmaking. Introduction to materials, techniques and methods unique to these media.

AT342 Printmaking II (3) Course offered fall and spring Continuation of Printmaking I. With more advanced problems and techniques, studio problems are designed to encourage individual direction and the development of a personal aesthetic. Prerequisite: AT341. This course is not accepted for the Artistic Theory or Practice requirement.

AT382 Cityscape Drawing Abroad (3) Introduction to visual thinking and process in art through a studio art experience in drawing, specifically as it applies to the art and architecture of a major art center in Europe. The structure of the course combines an eight (8) week study period on the Aquinas campus during the 4th quad with a three (3) week intensive study, travel, and drawing experience in Europe. Prerequisites: AT130, AT150, AT151, or instructor approval.

AT399 Independent Studio Project (Variable) Individually-negotiated project of defined nature established by contract between instructor and student. Contract filed with Registrar. Department chairperson approval.

AT400 Art Seminar (3) SC, AP Structured experiences centered on the profession of being an artist: slide documentation of artworks, portfolio and resume preparation, discussions with art professionals, and mounting a BFA exhibition. Substantial writing component. Prerequisite: junior or senior status.

AT412–417 Painting III–VIII (3) Course offered fall and spring Advanced courses in painting. Individual problems and directions designed to build strengths in color and composition while emphasizing personal artistic growth. Prerequisites: AT311 and AT312. This course is not accepted for the Artistic Theory or Practice requirement.

AT422–427 Advanced Sculpture III–VIII (3) Course offered fall and spring Continuation of individual directions begun in Sculpture I and II. Prerequisites: AT321, AT322. This course is not accepted for the Artistic Theory or Practice.

AT432–437 Ceramics III–VII (3) Course offered fall and spring Continuation of AT332 with emphasis on individual solutions to problems in design, clay, and glaze composition, forming and firing techniques. Prerequisites: AT331, AT332. This course is not accepted for the Artistic Theory or Practice requirement.

AT442–447 Printmaking III–VIII (3) course offered fall and spring Advanced course in printmaking. Individual problems and directions designed to foster growth within the printmaking media. Prerequisites: AT341, AT342. This course is not accepted for the Artistic Theory or Practice requirement.

Biochemistry and Molecular Biology

Advisors: Timothy Henshaw, Ph.D.; Jennifer Hess, Ph.D., Elizabeth Jensen, Ph.D.; Jeffrey McKelvey, Ph.D.

The Biochemistry and Molecular Biology (BMB) program is an interdisciplinary major sponsored by the Departments of Biology and Chemistry and is intended to train students to approach biological problems from both a biological and physical perspective. Students will be well prepared for entry-level positions in biomedical/biochemical research; graduate studies in biological and chemical fields; as well professional training in doctoral-level health care fields.

Biochemistry and Molecular Biology – Bachelor of Science (B.S.)

Major Requirement: Sixty-nine (69) semester hours

Required Courses:

- | | | |
|---|--------------|----------|
| — BY170 | — CY211 | — MS121 |
| — BY171 | — CY212 | — PC213 |
| — BY328 (WI) | — CY215 | — PC214 |
| — BY326 | — CY314 | — BMB305 |
| — CS152 | — CY325 | — BMB315 |
| — CY111 | — CY400 (SC) | |
| — CY112 | — CY401 (SC) | |
| — Electives: four (4) semester hours chosen from the following: | | |
| - BY350 | - BY372 | |
| - BY361 | - CY346 (WI) | |

Recommended courses:

- MS122
- MS231
- MS252

At least 36 semester hours must be completed at Aquinas and a GPA of at least 2.0 must be maintained in required courses with no more than one C- in required courses.

Minimum of C required in BY170 and BY171.

All students are expected to participate in the seminar/lecture series sponsored by the Departments of Biology and Chemistry. Attendance at a minimum of eight seminars is required.

Students with this major are not permitted to have additional majors or minors in biology or chemistry.

Course Descriptions:

BMB305 Advanced Biochemistry and Molecular Biology (3) This course offers in-depth coverage of membrane dynamics, signal transduction, intermediate metabolism, and genetic mechanisms. Other topics may include nucleic acid synthesis, processing, expression, cellular utilization, and DNA repair mechanisms. Enzymatic mechanisms of each of these processes will be emphasized. The consequences of genetic mutations in human pathophysiology will also be discussed. Three (3) hours of lecture per week. Prerequisite: CY325

BMB315 Molecular Techniques (3) This course will introduce students to techniques that are commonly used in modern biochemistry and molecular biology research including but not limited to: western and northern blotting, protein purification, enzyme kinetics, DNA electrophoresis, DNA sequencing, reverse transcriptase- and quantitative-polymerase chain reaction, site-directed mutagenesis, nucleic acid hybridization techniques, transformation and transfection of cells, and fluorescence microscopy. One (1) hour of lecture and two three (3)-hour lab periods per week. Prerequisite: CY325

Biology and Health Sciences

Jeffrey McKelvey, Ph.D., Chair

Thomas Bahl, Ph.D.; Robb Bajema, Ph.D.; Jennifer Hess, Ph.D.; Rebecca Humphrey, Ph.D.; Larry Robert Peters Jr., Ph.D.

Mission Statement. The mission of the Department of Biology and Health Science at Aquinas College is to provide an environment that fosters learning, critical thinking, and scientific literacy. Through excellence in classroom instruction, laboratory experiences that support critical concepts and opportunities for independent research, we strive to prepare students to pursue careers in the life sciences and health professions.

Biology Major – Bachelor of Science (B.S.)

Major Requirement: Thirty-six (36) semester hours in Biology

Required Courses:

- | | | |
|--|--------------|--------------------|
| — BY170 (NL) | — BY499 (SC) | — CY212 |
| — BY171 | — CY111 (NL) | — MS114, or higher |
| — BY328 (WI) | — CY112 | |
| — BY350 | — CY211 | |
| — Minimum ten (10) semester hours of electives selected from: | | |
| - BY221 | - BY326 | - BY372 |
| - BY231 | - BY341 | - BY375 |
| - BY324 | - BY361 | |
| — Minimum six (6) semester hours of ecology, evolution or field biology selected from: | | |
| - BY241 | - BY264 | - BY275 or BY352 |

Strongly recommended: CY325; MS121; MS252; PC201/202 (NL) or PC213/214. (NL)

Biology majors must complete six (6) hours of extracurricular, biology-related service learning.

Biology majors must attend twelve Science Division presentations and take the Major Field Test in Biology. At least twenty (20) semester hours of biology course work must be completed at Aquinas College. Biology majors must maintain a G.P.A. of at least 2.00 in biology courses taken at Aquinas College. Only courses with a grade of C– or higher will count toward the biology major.

The major in Biology meets major teaching certificate requirements. Only courses with a grade of C or higher will count toward a teaching major.

Health Sciences Major – Bachelor of Science (B.S.)

Major Requirement: Sixty-seven (67) - sixty-eight (68) semester hours

Required Courses:

- BY155 (NL)/156
- BY170 (NL)/171
- BY328 (WI)
- BY499 (SC)
- One (1) Health Science Elective chosen from
 - BY231
 - BY324
 - BY326
- One (1) Natural Science Elective chosen from:
 - BY241
 - BY264
- CS152
- CY111 (NL)/CY112
- CY211/212
- CY325
- BY361
- BY372
- BY352
- BY350
- PC201/202 (NL) or PC213/214 (NL)
- MS114 or higher
- MS252

Health science majors must complete six (6) hours of extracurricular, biology-related service learning.

Health science majors must attend twelve Science Division presentations and take the Major Field Test in Biology. At least thirty-four (34) semester hours of the required course work must be completed at Aquinas College. Health science majors must maintain a G.P.A. of at least 2.00 in math and science courses taken at Aquinas College. Only courses with a grade of C– or higher will count toward the health science major.

Minor in Biology

Minor Requirement: Twenty-four (24) semester hours in biology

Required Courses:

- BY170 (NL)
- BY171
- Minimum three (3) semester hours of field biology selected from :
 - BY123 (NL)
 - BY241
- Minimum thirteen (13) semester hours of biology electives selected from:
 - BY150
 - BY221
 - BY231
 - BY324
 - BY264
 - BY275
 - BY326
 - BY328
 - BY341
 - BY350
 - BY352
 - BY361
 - BY372

At least seven (7) semester hours of course work taken for the biology minor must be selected from courses at or above the 200 level. At least sixteen (16) semester hours of biology course work must be completed at Aquinas College. Biology minors must maintain a G.P.A. of at least 2.00 in biology courses taken at Aquinas College. Only courses with a grade of C– or better will count toward the biology minor.

The minor in Biology meets minor teaching certificate requirements. Only courses with a grade of C or better will count toward a teaching minor.

Course Descriptions:

BY101 Concepts in Biology (3) A broad overview of basic biological concepts including cell structure and function, genetics, ecology, evolution and diversity. Not applicable toward major or minor. Offered every fall This course is not accepted for the Natural World Biological Science requirement.

BY123 Environmental Biology (3) NL Introduction to aquatic and terrestrial ecosystems, with emphasis on human influences. Field experience based labs. Two (2) hours lecture, three (3) hours lab. Not applicable toward the major. Not applicable toward the minor for students having successfully completed BY275 or BY352. Offered every semester.

BY150 Human Biology (4) NL Systems approach to study of basic human anatomy and physiology designed for non-biology majors. Three (3) hours lecture, three (3) hours lab. Not applicable toward the major. Not applicable toward the minor for students having successfully completed BY221 or BY372. Offered every fall and odd-numbered springs.

BY155 Human Anatomy and Physiology I (4) NL An introduction to Human Anatomy and Physiology for nursing, health science and athletic training students. Not applicable toward the biology major or minor. Three (3) hours lecture, three (3) hours lab. Offered every fall.

BY156 Human Anatomy and Physiology II (3) A continuation of BY155 the study of Human Anatomy and Physiology for nursing, health science and athletic training students. Not applicable toward the biology major or minor. Three (3) hours lecture/two (2) hours lab. Prerequisite: minimum grade of C in BY155. Offered every spring. This course is not accepted for the Natural World Biological Science requirement.

BY170 Introduction to Organisms (4) NL This course will introduce the evolutionary processes that shape variation within populations and generate species diversity. It will examine the diversity in organismal morphology, physiology, behavior and ecology, and describe the interactions between species and their environments. The overarching goal of the course is to illustrate fundamental concepts in evolution, ecology and diversity via examples of species adaptations and interactions. An additional goal is to develop critical analytical skills through case studies, interactive lab protocols, and hands-on observations of plant and animal specimens. Three (3) hours lecture, three (3) hours lab. Offered every fall. BY170L, weekly lab.

BY171 Introduction to Cells (Formerly BY160 Principles of Biology) (4) Introduction to the structure and function of cells, including basic chemistry, metabolism, mitosis, genetics, protein synthesis, and cell regulation. Three (3) hours lecture, three (3) hours lab. Offered every semester.

BY221 Anatomy and Histology of Vertebrates (4) Structure, function and evolution of vertebrates at organ and tissue levels; emphasis on laboratory observations using a comparative approach. Three (3) hours lecture, three (3) hours lab. Prerequisites: completion of the introductory biology sequence with minimum grades of C. Offered every fall. This course is not accepted for the Natural World Biological Science requirement.

BY231 Microbiology (4) Morphology, taxonomy, and physiology of bacteria and other microorganisms; microbial genetics, environmental and industrial significance of microorganisms, and infectious diseases will be covered. Three (3) hours lecture, four (4) hours lab. Prerequisites: completion of the introductory biology sequence with minimum grades of C. Offered every spring. This course is not accepted for the Natural World Biological Science requirement.

BY241 Ornithology (3) An introduction to the study of birds, their classification, anatomy, physiology, behavior, and natural history. Five hours per week, divided between lecture, lab and field excursions. Prerequisites: completion of the introductory biology sequence with minimum grades of C.. Offered even-numbered springs. This course is not accepted for the Natural World Biological Science requirement.

BY264 Plant Taxonomy (3) A study of the concepts and principles of classification, study of the local flora, and training in the terminology and identification of the vascular plants. Two (2) hours lecture, three (3) hours lab. Prerequisites: completion of the introductory biology sequence with minimum grades of C. Offered odd-numbered springs. This course is not accepted for the Natural World Biological Science requirement.

BY/CY270 Secondary Science Practicum (3) This course provides the student with an opportunity to work in an introductory laboratory classroom as an assistant to the supervising instructor for three (3) hours per week. Assistants will help the instructor with set up and take down of lab activities, preparation of lab materials, and teaching/tutoring during the class period. Practicum students will meet for two 50-minute periods per week for lecture and discussion on a variety of topics relevant to the job duties of a secondary science teacher. Participants will also keep journals and perform research on appropriate laboratory exercises for secondary students. This course is not accepted for the Natural World Biological Science requirement.

BY275 Aquatic Field Biology (3) The study of aquatic systems and organisms, their functions, origins and interactions. Field oriented labs with training in limnological equipment and analysis. Three (3) hours lecture, three (3) hours lab.

Prerequisites: completion of the introductory biology sequence with minimum grades of C. Offered even-numbered falls. This course is not accepted for the Natural World Biological Science requirement.

BY310 Special Topics (Variable) Variable topics offered on an occasional basis. Prerequisite: Instructor approval. This course is not accepted for the Natural World Biological Science requirement.

BY324/PG324 Neuroscience (4) Topics include neuron functioning (action potential production including the behavior of receptors, ion channels and neurotransmitters), synaptic transmission, sensory and motor systems, the neurobiological perspective of learning and memory, drugs and the brain, sex and the brain. Both invertebrate and vertebrate systems discussed. Three (3) hours lecture, three (3) hours lab. Prerequisites: minimum grade of C in BY150, BY160, or BY171, sophomore status and instructor approval. Offered even-numbered springs. This course is not accepted for the Natural World Biological Science requirement.

BY326 Cell Biology (4) (Open to declared biology or health science majors.) Study of cellular structure and function: bioenergetics, enzyme regulation, membrane dynamics, cell ultrastructure and cell signaling. Four (4) hours lecture. Prerequisites: minimum grade of C in BY171 and BY170. Junior status. Offered every fall. This course is not accepted for the Natural World Biological Science requirement.

BY328 Genetics (5) WI (Open to declared biology or health science majors.) Mendelian, population, and molecular genetics, with an emphasis on recent advances. Four (4) hours lecture, three (3) hours lab. Offered every spring. Prerequisites: completion of the introductory biology sequence and CY112 with minimum grades of C. This course is not accepted for the Natural World Biological Science requirement.

BY341 Parasitology (2) Introduction to parasites infecting humans: symptoms, pathology, diagnosis, treatment, and prevention. Lecture, laboratory. (8 week mod) Prerequisites: completion of the introductory biology sequence with minimum grades of C. Offered odd-numbered springs. This course is not accepted for the Natural World Biological Science requirement.

BY350 Evolution (4) (Open to declared Biology majors) The course will focus on developing a deeper understanding of two key concepts in biological evolution: how natural selection operates and how evolutionary lineages change and diversify. Particular emphasis will be placed on interpretation of data and development of communication skills using both scholarly and popular press literature. Proficiency with algebra will be assumed. Prerequisites: completion of the introductory biology sequence with minimum grades of C and one upper-level course in Biology. Offered every spring.

BY352 Ecology (3) This course examines interrelationships between individuals and their abiotic environment as well as population-and community-level interactions. General principles will be applied to a range of organisms, including plants, animals, microorganisms, and humans. Labs will vary in structure and will emphasize the collection and evaluation of numerical data to test hypotheses. Two (2) hours lecture and three (3) hours laboratory. Prerequisites: completion of the introductory biology sequence with minimum grades of C.

BY361 Immunology (4) Molecular, cellular and organism-level immunology in health and disease; Foundational topics include: innate immunity, lymphocyte development, B and T cell immunity, and antigen presentation. Introductions to clinical immunology include: vaccines, autoimmunity, allergies, immunodeficiency and tumor immunology. Some current tools in immunological research will be discussed. Format will include lecture, presentations by students, case studies and discussions of primary literature. Four (4) hours of lecture. Prerequisites: completion of the introductory biology sequence with minimum grades of C. This course is not accepted for the Natural World Biological Science requirement.

BY372 Physiology (4) (Open to declared biology or health science majors.) Basic physiology of human body systems; neural and neuroendocrine integration and control. Three (3) hours lecture, three (3) hours lab. Prerequisites: completion of the introductory biology sequence and CY112 with minimum grades of C. Offered every spring. This course is not accepted for the Natural World Biological Science requirement.

BY375 Advanced Human Genetics (4) This course takes a disease-based approach to the study of human genetics, including disease etiology, pathology, phenotype, and treatment options. A combination of lecture, literature review, and discussion formats will be employed. Diseases that will be discussed range from inborn errors of metabolism and structural protein defects to the chromosomal breakage syndromes. Methodologies that allow investigators to research human genetics will also be discussed. Four (4) hours lecture. Prerequisite: minimum grade of C in BY328. Offered as needed. This course is not accepted for the Natural World Biological Science requirement.

BY398*Readings in Biology (Variable)** Individually-negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson. This course is not accepted for the Natural World Biological Science requirement.

BY399*Independent Project (Variable)** Individually-negotiated project of defined nature established by contract between instructor and student. Contracts filed with the Registrar. Prerequisite: approval of the department chairperson. This course is not accepted for the Natural World Biological Science requirement.

BY499 Senior Seminar (3) SC Concentrated study of a single topic. Library research and oral presentation required of all participants. Students will be expected to attend all presentations of their seminar topic and twelve additional science division presentations throughout their Aquinas experience. Prerequisite: Senior status and instructor permission. Offered every semester. This course is not accepted for the Natural World Biological Science requirement.

***Only three (3) semester hours of combined credit for these courses will be counted toward the required hours for the major or minor.

Business Administration

Linda Hagan, Ph.D., Chair

Mark Babin, M.B.A., Brian DiVita M.S.,M.M., Bill Foley M.M.; Mark O'Toole, M.B.A., Joey Smith, M.B.A., JD, LL.M.

Mission Statement. The mission of the Department of Business Administration, in support of the mission of Aquinas College, is to prepare each student for a career of service to organizations, community, and family through the development of content knowledge and skill competencies within an ethical framework and grounded in the liberal arts tradition.

Philosophy Statement. The Department of Business Administration at Aquinas College is committed to the development of broadly educated, globally oriented, ethical professionals, whose high standards of professional competence enable them to actively contribute to their profession, community and society. Competent professionals in the business and not-for-profit communities must be able to think critically, communicate clearly, research effectively, employ quantitative reasoning, use current technology, and work cooperatively with others.

Our programs encompass both theoretical and application components. The curriculum draws upon and is enhanced by the liberal arts focus of the college. We expect students to draw upon the perspectives gained from studies as diverse as philosophy, mathematics, history, religious studies, psychology, literature, languages, sociology, natural sciences, economics, and the fine arts. Students must gain an understanding of organized institutions so they can deal effectively with this phenomenon that shapes so much of their lives.

The Department of Business Administration is committed to working with other departments in the college to provide a strong organizational background for students in other academic majors through individual courses, business minors, and dual majors.

Opportunities are provided for internships and field experience to help students develop and define long term goals. By integrating coursework with such experiences, students are prepared for careers in a variety of organizations, graduate school, advancement in current professions, and lifelong learning.

The liberal arts and career orientation focus of the department provides students with the ability to see the world community and their relationship to it individually and collectively. It provides students with the specialized knowledge to understand the necessity of efficient and effective organizational practices. We believe the marriage of these two perspectives provides our Business students with a unique advantage, preparing them for extraordinary service to profession, family, and society.

Minimum Grade Requirement. Any course specified as required in any program offered by the Department of Business Administration must be completed with a grade of "C" or better.

Business Administration Major - Bachelor of Science in Business Administration (B.S.B.A.)

Major Requirements: Forty-two (42) semester hours

Required Courses:

- | | | |
|---|--------------|-------------------|
| — CS152 | — BS201 | — MS151 (MS252 or |
| — ES211 | — BS202 | MS494 may be |
| — ES212 | — BS305 | substituted) |
| — AG210 | — BS460 | |
| — AG211 | — BS492 (SC) | |
| — Business law course selected from: BS331 OR BS332 | | |
| — Six (6) semester hours of business electives | | |

At least twenty-four (24) semester hours of the major must be taken at Aquinas College.

Concentrations

Two concentrations are designed to provide the student with professional preparation in the fields of either Marketing or Human Resources. They are described below. Concentrations are elective specializations within a business, international business or dual business major. They require understandings developed in the business core curriculum and so cannot be declared without also declaring a business, international business or dual business major. Courses taken in a concentration are considered as business electives in the context of the requirements of the BSBA.

Marketing Concentration within Business Majors

Concentration Requirements:

Choose Five (5) courses from the following including at least one (1) case study course:

- | | | |
|--------------|---------|---------|
| — BS311 | — BS360 | — BS442 |
| — BS316 | — BS414 | — BS483 |
| — BS342 | — BS415 | |
| — BS357 (WI) | — ES311 | |

Human Resources Concentration within Business Majors

Concentration Requirements:

- | | |
|---------|---------|
| — BS355 | — BS372 |
| — BS356 | — BS410 |
| — BS360 | |

A practicum approved by the department may be substituted for two of the courses in this concentration.

International Business Major - Bachelor of Science in International Business (B.S.I.B.)

Major Requirements: Seventy-one (71) semester hours.

Required Courses: Forty-eight (48) semester hours

- | | | |
|---------|--------------|-------------------|
| — CS152 | — BS202 | — BS456 |
| — ES211 | — BS305 | — BS460or BS325 |
| — ES212 | — BS313 (GP) | — ES342 |
| — AG210 | — BS315 (GP) | — MS151 (MS252 or |
| — AG211 | — BS316 | MS494 may be |
| — BS201 | — BS455 | substituted) |

A further requirement is competency in both English and an international business language—French, German, Japanese or Spanish—which includes 23 semester hours (normally 101, 102, 201, 202, 301 and either 302 or

303). As foreign-language competency may differ not only from language to language but also from student to student, competency will be determined by the Department of World Languages.

At least twenty-seven (27) semester hours of the major must be taken at Aquinas College. Of those twenty-seven (27) semester hours, a minimum of nine (9) hours must be taken in business administration courses at the 300 level and above. Students electing to complete the concentration in marketing, the concentration in human resources or a substantial foreign internship may delete BS315, BS316, and ES342 from their BSIB requirements. The substantial foreign internship must be approved by both the department chairperson of the Department of Business Administration and the department chairperson of the Department of World Languages. Students may substitute BS325 for BS460 in their BSIB program. If a student is already competent in a foreign language, that student need not complete a particular number of hours in foreign language coursework. Rather, the student must demonstrate their competence in that language. Such competence may be certified in writing by the Department of World Languages. Alternatively, the student may demonstrate competence by passing the 300 level business conversation class (for example, FH303, GN303 or SH303) in the language. The student may also demonstrate competence by passing an internationally recognized test, such as the Paris Chamber of Commerce test. The test accepted must be approved by the chairpersons of both the Department of Business Administration and the Department of World Languages.

Business Administration & Art: Visual Arts Administration

Dual Major – Bachelor of Arts (B.A.)

Major Requirements: Sixty-nine(69) semester hours.

Required Courses: found under ART.

Accounting and Business Administration Dual Major – Bachelor of Sciences (B.S.B.A.) Major

Requirements: Sixty-eight (68) semester hours.

Required Courses: found under ACCOUNTING.

Business Administration and Chemistry Dual Major– Bachelor of Sciences (B.S.B.A.) Major requirements: Sixty-three (63) semester hours.

Required Courses: found under CHEMISTRY

Business Administration and Communication Dual Major – Bachelor of Sciences (B.S.B.A.) Major

Requirements: Fifty-seven (57) semester hours.

Required Courses: found under COMMUNICATION

Business Administration and Music Dual Major – Bachelor of Sciences (B.S.B.A.) Designed for the student who is interested in music industry management. Major requirements: Seventy-one (71) semester hours, minimum.

Required Courses: found under MUSIC.

Business Administration and Sport Management Dual Major – Bachelor of Sciences (B.S.B.A.) Major

Requirements: Sixty-one/Sixty-seven (61/67) semester hours. Required Courses: found under KINESIOLOGY.

Business Administration and Theatre Dual Major – Bachelor of Sciences (B.S.B.A.) Designed for the

Business student who is interested in Theatre Management. Major requirements: Fifty-six (56) semester hours.

Required Courses: found under THEATRE.

Course Descriptions:

BS/EH106 Business Communication (3) SS1, AP Introduces students to effective listening, writing, and presenting skills for business and other professional activities.

BS200 Fundamentals of Organizations for the Non-Major (3) SS1 An overview course which introduces the student to the functions of management, marketing, accounting, finance, and economics. Business principles, concepts, theories, and terms, together with ethics and values, are examined both academically and experientially. As an introductory overview of the academic areas covered by the required core courses in business and business related majors, this course cannot be used as a business elective in a business major or minor.

BS201 Principles of Management (3) SS1 The focus is on the study of the origin and development of management theory, processes of management, decision-making, leadership, communication, social responsibility, and international management. Emphasis on application of management principles to managing organizations.

BS202 Principles of Marketing (3) An introduction to basic marketing concepts, including marketing strategy, pricing, promotional activities, product development, and physical distribution. Sophomore status required for traditional age students. Recommended: ES211.

BS/PS/CN212 Parliamentary Procedure (1) SS1/SS2 This one semester hour course in parliamentary procedure is designed to familiarize the student with fundamental practices in the process and procedures of rules of order as practiced in organizations and businesses.

BS235 Social Entrepreneurship (3) This course focuses on how social ventures are created, managed, evaluated and sustained. Emphasis is placed on understanding the opportunities and challenges of using one's managerial and specific academic skills, as well as entrepreneurial talents, to help improve people's lives by creating sustainable programs. A field component visit is involved. Prerequisite: Sophomore status.

BS245 Personal Finance (3) SS1 Serves as a practical guide to individual money planning. Subjects covered include budgeting, investing, planning for taxes, insurance, consumer decisions, and retirement planning.

BS/CS300 Management Information Systems (3) SS1 This course presents an overview of various frameworks for information systems and systems development. Topics include formal systems theory for management problem solving, decision support systems, project management methodologies, feasibility analysis, and IT/IS governance. Practical application is included, using various analysis tools and software environments to create systems proposals, data models, and project plans. Prerequisites: CS151, CS170, CS180.

BS/ES301 Money and Banking (3) SS1 A study of financial institutions and markets and of monetary theory. Prerequisite: ES212

BS/CS302 Systems Analysis (3) SS1 This course is the second of two courses in business systems analysis using structured methodologies. Topics include process modeling, data flow diagramming, and object-oriented analysis. Practical application is included, using various analysis tools and software environments to create process models, various object-oriented models, and candidate design proposals. Prerequisites: CS152, CS300.

BS305 Financial Management (3) Covers the concepts and techniques underlying effective decision making related to investment and financing decisions. Some of the topics include planning profitability, analysis of risk, valuation of financial assets, time value of money, cost of capital, capital budgeting, planning capital structure, and dividend decisions. Prerequisites: AG211, ES211, MS151, CS152. Also business/ financial calculator proficiency. This course is not accepted for the Social Science Distribution requirement.

BS310 Entrepreneurship and Small Business Management (3) Deals with the successful start-up, operation, and growth of a small business with emphasis on entrepreneurship, the business environment, financial controls and planning, and administrative control. Prerequisites: BS200, BS201 or permission of the instructor.

BS311 Advertising (3) Examines the role of advertising in marketing strategy, with a secondary emphasis on specific skills and techniques involved in the advertising process. Prerequisite: BS202. Open to juniors and seniors only. This course is not accepted for the Social Science Distribution requirement.

BS312 Principles of Investments (3) Covers a general framework for investing, including an overview of the securities markets. The process of analyzing stocks, bonds, option type securities, real assets, international investing, and mutual funds is introduced. Portfolio management is considered. Prerequisites: AG210 or CS152.

BS/ES313 International Business (3) SS1, GP An introduction to international business theory and practice. The balance of trade, balance of payments, international business strategy options, and the various modes of conducting international trade are included.

BS314 Advanced Management Principles (3) A practical, in-depth view of the functions of management, utilizing on-site visits, speakers, practical exercises, research on the future of management, and self-study to assist students in fully comprehending the day-to-day responsibilities of a manager. Prerequisite: BS201

BS315 Culture in International Business (3) GP Explores such complex elements as language and communication, cultural and pragmatic disparities of background, and other issues critical to successful international business relations.

BS316 International Marketing (3) Deals with the transaction activities occurring in the international marketplace. Other aspects of international marketing include international channels of distribution, trade promotion activities of governments and other agencies, practices related to foreign operations, licensing arrangements, and the environmental framework of international marketing organizations.

BS/PG321 Industrial Psychology (3) An overview of the theoretical and pragmatic applications of the principles of industrial psychology. Topics include organizational settings, jobs and their requirements, personnel selection and evaluation, job and work situations, accidents, and human errors, and the psychological aspects of consumer behavior. Prerequisites: BS201 or PG100, MS151 or equivalent.

BS325 Ethics and the Ecology of Commerce (3) This course reviews classical positions in ethics as well as current Catholic social teaching in the areas of morality and the role of business. Relationships between business institutions and the natural ecology are then examined. Environmental impacts are explored in terms of raw material extraction, pollution, methods of costing and the long-term sustainability of economic growth. Mechanisms for full costing are explored, as are market growth opportunities, which may be found in the impetus for pollution control and environmental clean up. Regional, national, and international aspects are considered with particular emphasis upon the development of international agreements. Prerequisite: Sophomore status.

BS331 Business Law I (3) Focuses on the basics of business organizations including corporations, partnerships, limited liability corporations, professional corporations; contracts, including formation, legality, enforcement, breach, and remedies; the Uniform Commercial Code with a special emphasis on Sales and Negotiable Instruments and their application to the accounting and banking professions; also facilities liability, surveys estates, creditors rights, bankruptcy, and torts and criminal law as they relate to the business environment.

BS332 Business Law II (3) Focuses on specialized areas of the law as they relate to business such as: property including real property, landlord and tenant relationships, personal property, bailments, secured transactions; government regulation of business including the nature and scope of government regulation, consumer law, environmental law, antitrust, labor relations; also surveys insurance, wills and the law of inheritance, professional liability, and emerging trends.

BS/AG336 Tax Law I (3) SS1 Covers the basic concepts of federal income taxation applicable to individual taxpayers, including tax research, realization and recognition of income, deductions and credits. Prerequisite: AG210.

BS/AG337 Tax Law II (3) SS1 A continuation of the basic concepts and principles of federal income taxation as it applies to partnerships and corporations. Topics covered include partnerships, S Corporations, regular corporations, LLCs, LLPs, gift tax and estate tax. Prerequisite: BS/AG336.

BS338 Insurance and Risk Management (3) This course introduces students to insurance, the insurance business, and the regulatory climate in which the industry operates. Prerequisite: Sophomore status.

BS/PS340 Public Administration (3) SS1 Theory and practical skills involved in working with public agencies and implementing public programs.

BS341 Production Management (3) Covers the managerial decisions involved in plant location, internal factory organization, plant operation and control, planning, scheduling, routing, purchasing, cost control, and inventory control. Prerequisite: BS201.

BS342 Digital Marketing (3) SS1 This course provides a theoretical and practical foundation to understand how digital platforms have become part of a marketing strategy. Consequently, connecting this technologies to the Integrated Marketing Communications (IMC). Prerequisites : BS202, recommended BS311.

BS/PG355 Organizational Behavior (3) SS1 Examines organizational behavior from both theoretical and historical perspectives, dealing with the diagnosis of individual issues and group issues, the development of an understanding of organizational issues, and concludes with the topic of changing organizations. Prerequisite: BS201 or PG100.

BS356 Organizational Leadership (3) Focuses on the process of influencing individuals and groups toward organizational goals, including such topics as the evolution of leadership theory, leadership effectiveness, and situational leadership. Prerequisites: BS201 or PG100, or approval of instructor.

BS357 Public Relations (3) SS1, WI A comprehensive study of the role of public relations in contemporary organizations. Topics include planning issues, international public relations, specialty applications, and product publicity. Critical examination of public relations techniques and ethical issues occurs throughout the course. Prerequisite: BS202. Open to juniors and seniors only.

BS/PG360 Consumer Behavior (3) SS1 Analysis of the complex process of buying behavior through systematic development of a behavior model utilizing concepts from psychology, sociology, and social psychology. Prerequisites: BS202 or PG100. Sophomore status.

BS/PG372 Training and Development (3) SS1 Review of techniques to determine training needs, to develop appropriate programs, to select methods of presenting these programs, and to evaluate program effectiveness. Includes application of instructional design and adult learning theory to design of learning experiences. Prerequisite: BS201.

BS397 Field Experience (Variable) Up to three (3) semester hours of internship or co-operative experience in a field directly related to Business Administration, negotiated between major advisor and student. Prerequisite: approval of the department chairperson.

BS399 Independent Project (Variable) An individually-negotiated project of a defined nature established by a contract between the instructor and student. Contract filed with the Registrar. Prerequisite: approval of the department chairperson.

BS405 Advanced Financial Management (3) Covers the concepts and techniques underlying effective decision making related to investment and financing decisions. Some of the topics include planning profitability, analysis of risk, valuation of financial assets, time value of money, cost of capital, capital budgeting, planning capital structure, and dividend decisions. Prerequisites: AG211, ES211, MS151, CS152. Also business/ financial calculator proficiency.

BS410 Human Resource Management (3) An overview of human resource management, including staffing, employee development, labor relations, remuneration, security, and performance evaluation. Prerequisite: BS201.

BS413 Project Management (3) This course provides an overview of project management in organizations. The content integrates the socio (people concerns) and the technical (analytical tools) involved in the design, leadership and control of organizational projects.

BS414 Supply Chain Management (3) Reviews the nature and organization of supply chain management, including all components involved in the movement of goods from source to end-user. Prerequisites: BS201, BS202.

BS415 Sales Management (3) Deals with the functions and challenges facing managers in the sales area, including sales techniques, recruiting, selecting and training sales personnel, motivation, supervision, evaluation of sales personnel, compensation plans, and territory management. Prerequisites: BS201, BS202.

BS425 Not-for-Profit Organizations: Theory and Practice (3) Designed as a seminar, this course will explore not only the unique characteristics of not-for-profit organizations but also the problems which they face in today's society. Case analyses, selected readings, and lectures will be utilized to facilitate both discussion and understanding. Prerequisite: BS201 or permission of the instructor.

BS442 Cases in Marketing Management (3) An analysis of the development and implementation of effective marketing strategies through case studies, demonstrating the application of sound marketing principles in decision-making, management, and market forecasting. Prerequisites: BS201, BS202. Open to juniors and seniors only.

BS455 International Finance (3) Basic foreign exchange and stabilization procedures are discussed. Other subjects include methods for short- and long-term overseas corporate investing, financing exports and imports through appropriate international financial channels, and the role of the government in international financial markets. Prerequisite: BS305 or consent of instructor.

BS456 Cases in International Business (3) A case analysis course dealing with various business problems encountered in an international setting. Case materials cover locational problems, investment financing, foreign union development, negotiating with foreign governments, servicing foreign markets, and the legal and tax consideration of foreign operations. Prerequisite: Open to juniors and seniors only.

BS457 Cases in Public Relations (3) A case analysis course focused on the challenges confronted by organizations. Cases deal with developing strategies and programs to respond to public relations problems and opportunities faced by both for-profit and not-for-profit organizations. Topics include crisis management, strategic planning for public relations, and management of the public relations function. Prerequisite: BS357. Open to juniors and seniors only.

BS460 Ethical Application in Business (3) SS1 Principles and perspectives of ethical business and organizational decision-making are studied and applied to a variety of decisions. Emphasis is placed on the identification of ethical choices in the context of the conflicting pressures on management, both in the public and private sector. Prerequisite: Junior or Senior status.

BS483 Marketing Strategy (3) This course develops an understanding of the organization's market niche through a detailed examination of resource allocation as it affects competitive advantage. Multiple models guiding strategic choice are reviewed. Internal processes for the formulation, coordination, and application of strategy are studied. Realistic applications are then considered. Prerequisites: BS202, Junior or senior status.

BS484 Business Research and Methodology (3) A market-oriented introduction to business research. Subjects covered include the translation of a management problem to a research problem, implementation issues in business research, including basic statistical procedures, and the communication of research results to management. Prerequisites: BS201, BS202, MS151.

BS490 Topical Issues (Variable) Based on both student and faculty interests, the department offers a series of courses dealing with topical issues. Consult current class schedule for listing.

BS492 Cases in Business Policy (3) SS1, SC A case-oriented course focusing on organizational strategy and its implementation. Prerequisites: BS201, BS202, BS305. Open to juniors and seniors only.

BS496 Human Resource Practicum (3) The course is a demonstration of academic learning via a carefully designed work experience, jointly developed by the student, faculty and the target organization. The practicum for the HR concentration requires students to apply specific HR procedures or techniques acquired in prerequisite courses, with permission from appropriate management personnel in an organization of their choice. Prerequisites: BS201, BS/PG355, BS372, BS410. The following are recommended: BS356, BS360, and BS413.

Catholic Studies

John C. Pinheiro, Ph.D., Program Director

This interdisciplinary minor explores the Catholic tradition, as expressed in art, literature, poetry, theology, popular piety, and philosophy. Courses focus on those elements of Christian thought, belief, and practice that are critical to understanding Catholic culture.

Mission Statement. The mission of Catholic Studies is to share “the rich experience of the Church’s own culture,” assist students in their spiritual as well as their intellectual development, and establish Aquinas College as the regional center for Catholic intellectual and creative life (Ex Corde Ecclesiae, § 43).

Student Learning Outcomes. Successful minors in Catholic Studies will complete their education with:

- A broad knowledge of the history of Christianity
- A broad knowledge of the Christian view of history best explicated by St. Augustine of Hippo, G.K. Chesterton, and Christopher Dawson
- A broad knowledge of the distinctive spirit of the Catholic vision and tradition
- The distinctive hallmarks of the Catholic imagination, particularly in literature
- A clear understanding of how faith and reason interact in the Catholic intellectual tradition, and of this tradition’s impact on the development of Western Civilization
- Extensive opportunities for spiritual development that provide deep integration of authentic Catholic intellectual understanding and practice of the faith

Catholic Studies Minor

Minor Requirements: Twenty-one (21) semester hours (15 required, 6 elective).

Required Courses:

I. Core:

- | | | |
|----------------|----------------|----------------|
| — CA401 (3) | — HY277 (3) HP | — TY147 (3) TF |
| — EH260 (3) AT | — PH248 (3) HP | |

II. Electives:

- | | | |
|-------------------------------|------------------|----------------|
| — AT275 (3) AT | — CA310 (3) | — TY255 (3) |
| — AT380 (3) AT | — HY311 (3) | — TY345 (3) SC |
| — CA200 (3) | — MCHL/TY306 (3) | |
| — CA210 Theology (3 CA; 1 MS) | — PH320 (3) | |
| | — TY212 (3) | |

Students must earn a C– or better in a class in order for it to count toward the minor.

Course Descriptions:

CA200 Tolkien, Narnia, and the Catholic Imagination (3) The analysis of J.R.R. Tolkien's and C.S. Lewis's imaginative worlds, Middle-earth and Narnia, from the perspective of a Catholic worldview, Tolkien's concept of mythopoeia and Lewis's theological writings. This course is also a Theology elective.

CA210 Math and Theology (3) Three influential mathematical developments of the 20th century have had repercussions in theology: Gödel's Incompleteness Theorems, Cantor's transfinite cardinals and non-Euclidean geometries. We will learn enough math to support our understanding of these results. We will also consider the historical, philosophical and theological contexts in which these results were developed, exploring various controversies associated with these developments. This course also earns one (1) semester hour toward the math major or minor.

CA310 Special Topics in Catholic Studies (3) Special topics in Catholic Studies offered on an occasional basis by faculty or visiting scholars.

CA401 Christian View of History (3) This course is a cultural history of Christendom, with a particular emphasis on Catholic culture and Christian historiography. When cross-listed with HY312, this course is also a History elective.

Chemical Physics

Advisors: Elizabeth Jensen, Ph.D.; Xin Du, Ph.D.

Chemical physics is an interdisciplinary major which combines chemistry's study of the composition of matter with physics' study of the properties of matter and energy. Courses are drawn from the departments of chemistry, physics and mathematics.

Chemical Physics Major – Bachelor of Science (B.S.)

Major Requirements: Fifty (50) semester hours

Required Courses:

- | | | |
|--------------|------------------|---------|
| — CY111 (NL) | — CY336 | — PC215 |
| — CY112 | — CY346 (WI) | — PC316 |
| — CY311 | — CY400/401 (SC) | — MS252 |
| — CY312 | — PC213 (NL) | |
| — CY215 | — PC214 | |

Required allied courses:

- | | | |
|---------|---------|---------|
| — CS152 | — MS122 | — MS241 |
| — MS121 | — MS231 | |

Equivalent courses from other colleges may be substituted with the permission of one of the designated advisors.

At least thirty (30) of these hours must be taken at Aquinas College, with a minimum GPA of 2.0, no more than one C-

Majors must attend at least eight (8) seminars / lectures sponsored by the Departments of Chemistry and Physics.

Chemistry

Elizabeth Jensen, Ph.D., Chairperson

Li-Heng Chen, Ph.D.; Jonathan Fritz, Ph.D.; Timothy Henshaw, Ph.D.

Mission Statement. To provide students with knowledge of chemistry befitting their goals: for the general education students that they become literate in basic chemistry; and for the science major students that they possess the knowledge and skills necessary for them to succeed in their post-baccalaureate careers.

The curriculum and course requirements are designed for the degree of Bachelor of Science (BS) in chemistry following the recommendations of the Committee on Professional Training of the American Chemical Society. A student completing the BS in Chemistry should be prepared for these options: an entry level research position in industry or in governmental agencies; graduate level studies in chemistry or chemical engineering; post-baccalaureate professional studies (medicine, veterinary medicine, dentistry, related fields).

Students will find the curriculum more compatible if their high school education included Biology, Chemistry, Physics and four years of mathematics.

BS Degree in Chemistry

Major Requirements: A minimum of thirty-nine (39) semester hours in chemistry.

Required Courses:

- CY111/112 (NL)
- CY211/212
- CY215
- One (1) of the following courses: CY315 or CY336.
- CY311/312
- CY346 (WI)
- CY400/401 (SC) or approved research

Required allied courses:

- CS152
- MS121/ MS122
- MS 242 or MS494
- PC213/ PC214 (NL).

1. One course in applied or mathematical statistics (i.e. MS252 or higher) required. Multivariate Calculus, Differential Equations, Linear Algebra and Abstract Algebra are recommended.
2. At least twenty (20) semester hours of the required chemistry coursework must be taken at Aquinas College. A GPA of at least 2.0 must be maintained and no more than one C- is permitted in chemistry courses.
3. Majors are required to take the Major Field Test in Chemistry.
4. Majors must attend at least ten (10) seminars/lectures sponsored by the department of Chemistry.
5. A student who has earned a score of 5 on the AP Chemistry exam may be exempt from CY111. This student may choose to start CY211 (organic chemistry) in the fall of the first year but is not exempt from CY112.
6. Any courses taken at other educational institutions must have approval of the chemistry department chairperson for transfer before the course is taken. Students who take prerequisite courses at another

institution will not be permitted to register for subsequent courses until the prerequisite course is completed and proof of sufficient grade(s) provided

7. At least one chemical internship or research experience is strongly recommended for chemistry majors.

Minor in Chemistry

Minor Requirements: A minimum of twenty-four (24) semester hours in Chemistry.

Required Courses:

- CS152
- CY111 (NL)/CY112
- Elective courses: at least four (4) semester hours from the following:
 - CY311
 - CY312
 - CY315
 - CY211/212
 - CY215
 - CY325
 - CY336
 - CY346 (WI)
 - CY398
 - CY399

At least twelve (12) semester hours of the minor requirements must be taken at Aquinas College. A GPA of at least 2.0 must be maintained and no more than one C- is permitted in chemistry courses. Students must have the approval of the chemistry department chair for transfer before the course is taken. Students who take prerequisite courses at another institution will not be permitted to register for subsequent courses until the prerequisite course is completed and proof of sufficient grade(s) provided.

- At least one chemical internship or research experience is recommended for chemistry minors.
- Attendance at a minimum of six (6) seminars/lectures of the department of Chemistry is required.

Chemistry and Business Administration Dual Major. With a dual major in Chemistry and Business Administration, graduates of the program are prepared for positions in management, marketing, advertising, sales, or other business activities in chemical and pharmaceutical companies. A minimum GPA of 2.0 is required and no more than one C- is permitted. Degree is Bachelor of Science

Major requirements: Sixty-three (63) semester hours.

Required Courses:

- CY111(NL) /CY112
- CY211/212
- CY215
- CY325
- CY346 (WI)
- CY400/401 (SC)
- MS252 or MS494
- ES211
- ES212
- AG210
- AG211
- BS201
- BS202
- BS305
- BS460
- BS492 (SC)

Required allied courses:

- PC213/214 (NL)
- MS121/122
- CS 152

At least twenty (20) semester hours of the dual major must be taken at Aquinas

Course Descriptions:

CY100 Preliminary Chemistry (3) An introductory survey of elementary inorganic chemistry for those students who need preparation for CY111/112 (General Chemistry). Topics include measurement, nomenclature, structure of atoms and molecules, states of matter, stoichiometry, and acid/base theory. Three (3) hours of lecture per week. Prerequisite: none. This course is not accepted for the Natural World Physical Science requirement.

CY101 Environmental Chemistry (3) NL Application of chemical concepts to eco-systems; implications of chemical technology to the social and physical environment. Prerequisites: High school chemistry recommended.

CY102 Chemistry for Non-Majors (3) NL The basic principles of chemistry are applied to everyday living situations. Common elements and compounds will be used to illustrate principles, some of which are acid-base theory, oxidation-

reduction, radioactivity, and toxicity. The presentation of these principles may vary each semester depending on the instructor's use of history, household products or other perspective. Chemistry will be related to other disciplines, the national economy, other industries, and the future well-being of humans and the natural environment. Two (2) hours lecture and one lab period per week.

CY111 General Chemistry (4) NL A first college course in chemistry designed primarily for science majors. Topics include atomic structure, chemical bonding, molecular structure, properties of gases, solids, and liquids, stoichiometry, and thermochemistry. Three (3) hours of lecture and one 3-hour laboratory period per week. Prerequisites: CY100 or high school chemistry; math placement score of 18 or higher, co-registration in MS114, or completion of MS114 with a C or better. High school physics strongly recommended.

CY112 General Chemistry (4) A continuation of CY111. Topics include coordination chemistry, descriptive inorganic and organic chemistry, electrochemistry, equilibria, kinetics, and thermodynamics. Three (3) hours of lecture and one three-hour laboratory period per week. Prerequisites: CY111 and CS152 with grades of C- or better. Co-enrollment in CY112 and CS152 is allowed with approval of the chemistry department chairperson. This course is not accepted for the Natural World Physical Science requirement.

CY155 General, Organic, and Biochemistry I (3) (NL, if CY157 is also completed) This is the first of two semesters of an introductory course in chemistry for students of nursing and other health-related disciplines. This course may not be applied to the chemistry major or minor. Topics in the first semester will include: measurements and chemical quantities, atomic and molecular structure, chemical bonding, states of matter, chemical reactions, stoichiometry, thermochemistry, solutions, and gases. Additional topics may also be introduced. Three (3) hours lecture per week. Prerequisites: none. Co-requisites: CY157 (except UDM Nursing students) and MS101 or MS111 unless previously completed with grade of C or better. This course is not accepted for the Natural World Physical Science requirement.

CY156 General, Organic, and Biochemistry II (3) This is the second semester of an introductory course in chemistry for students of nursing and other health-related disciplines. This course may not be applied to the chemistry major or minor. Topics will include: acids and bases, chemical equilibrium and reaction rates, nuclear chemistry, organic functional groups, carbohydrates, lipids, amino acids and proteins, enzymes, nucleic acids and protein synthesis, metabolic pathways and energy production. Additional topics may also be introduced. Three (3) hours lecture per week. Prerequisites: CY155 with a grade of C or better, AP Chemistry exam score of 3 or higher, or passing score on the chemistry placement exam; MS101 or MS111 (or equivalent) with grade of C or better. Co-requisite: CY158 (except UDM Nursing students). This course is not accepted for the Natural World Physical Science requirement.

CY157 General, Organic and Biochemistry Laboratory I (1) This is the laboratory course that may accompany CY155. The laboratory work will illustrate the principles in CY155. This class will meet for one laboratory session per week. This course is not accepted for the Natural World Physical Science requirement.

CY158 General, Organic and Biochemistry Laboratory II (1) This is the laboratory course that may accompany CY156. The laboratory work will illustrate the principles in CY156. This class will meet for one laboratory session per week. This course is not accepted for the Natural World Physical Science requirement.

CY211 Organic Chemistry (4) This is the first semester of a year-long course in organic chemistry for science majors. Topics include bonding, reaction mechanisms, structure, stereochemistry, and synthesis and reactions of aliphatic hydrocarbons and their derivatives. The correlation of molecular structure to physical properties and instrumentation is introduced. Three (3) hours of lecture and one three-hour laboratory period per week. Prerequisite: CY112, with a grade of C- or better, or its equivalent. This course is not accepted for the Natural World Physical Science requirement.

CY212 Organic Chemistry (4) Continuation of CY211. Topics include carbonyl compounds and reactions, aromatic hydrocarbons, the application of instrumental methods (e.g. UV-vis, IR, NMR, MS) in the identification of the molecular structure, heterocyclic compounds. Multistep synthesis will be introduced. Three (3) hours of lecture and one three-hour laboratory period per week. Prerequisite: CY211, with a grade of C- or better, or its equivalent. This course is not accepted for the Natural World Physical Science requirement.

CY215 Quantitative Analysis (4) A first course in chemical analysis. Topics include gravimetric and volumetric methods, statistical applications, ionic equilibria, chromatography, and spectroscopy. Two (2) hours of lecture and two three-hour laboratory periods per week. Prerequisite: CY112 (or equivalent) with a grade of C- or better. This course is not accepted for the Natural World Physical Science requirement.

CY270 Secondary Science Practicum (3) This course provides the student with an opportunity to work in an introductory laboratory classroom as an assistant to the supervising instructor for three (3) hours per week. Assistants will help the instructor with set up and take down of lab activities, preparation of lab materials, and teaching/tutoring during the class period. Practicum students will meet for two 50-minute periods per week for lecture and discussion on a variety of topics relevant to the job duties of a secondary science teacher. Participants will also keep journals and perform research on appropriate laboratory exercises for secondary students. This course is not accepted for the Natural World Physical Science requirement.

CY310 Special Topics in Chemistry (4) Intensive study determined by instructor. Credits may be earned under different specific titles. This course is not accepted for the Natural World Physical Science requirement.

CY311/312 Physical Chemistry I and II (4/4) A two-semester course in the theoretical principles of chemistry. Topics include thermodynamics, kinetic theory of gases, phase equilibria, electrochemistry, kinetics, and quantum chemistry. Three (3) hours lecture and one three-hour laboratory period per week each semester. CY 311 offered fall of even-numbered years, CY 312 offered spring of odd-numbered years. Prerequisites for CY311: CY112 and MS122 with grades of C- or better. PC213 is also required but may be taken as a co-enrollment. Prerequisites for CY312: CY311 with a grade of C- or better. PC214 is also required but may be taken as a co-enrollment. This course is not accepted for the Natural World Physical Science requirement.

CY314 Physical Chemistry for Life Sciences (3) This course focuses on the application of physical chemical topics (e.g. thermodynamics, equilibrium, kinetics, electrochemistry, quantum chemistry and spectroscopy) to biological systems. This course is intended for BMB majors and does not fulfill the physical chemistry requirement for the chemistry major. Prerequisites: CY112 and MS121 with grades of C- or better. PC213 is also required but may be taken as a co-enrollment.

CY315 Advanced Organic Chemistry (4) An advanced course in organic chemistry. Topics will include qualitative organic analysis in both traditional and spectroscopic methods, reaction mechanisms and conditions, molecular structure, orbital symmetry, retrograde synthesis, and multistep synthesis. In the laboratory, classical and instrumental methods will be used to identify compounds. Three (3) hours of lecture and one three-hour laboratory period per week. Offered fall semester in odd-numbered years. Prerequisite: CY212, with a grade of C- or better, or its equivalent. This course is not accepted for the Natural World Physical Science requirement.

CY325 Biochemistry (4) A first course in biochemistry for science majors. Topics include biomolecules, enzymes and their mechanisms of action, biological energetics, nucleic acids (their structure and function), and carbohydrate, protein, and lipid metabolism. Three (3) hours of lecture and one three-hour laboratory period per week. Prerequisite: CY212, with a grade of C- or better, or its equivalent. This course is not accepted for the Natural World Physical Science requirement.

CY336 Advanced Inorganic Chemistry (4) Principles of inorganic chemistry with emphasis on periodicity, molecular orbital theory, bonding, solid structure, acid/base, reduction/oxidation reactions, and systematic chemistry of the elements. Coordination chemistry and organometallic chemistry will also be discussed. The laboratory will focus on the synthesis and characterization of inorganic compounds. Three (3) hours of lecture and one three-hour laboratory period per week. Offered spring semester of even-numbered years. Prerequisite: CY112 with a grade of C- or better. This course is not accepted for the Natural World Physical Science requirement.

CY346 Instrumental Methods of Analysis (4) WI An introduction to instrumental methods both theoretical and practical. Topics include spectroscopic methods (UV/Visible, IR, Raman, AA, AE, NMR), electrochemical methods (potentiometry and voltammetry), chromatographic methods (GC and HPLC), radiomethods, and thermal methods. Two (2) hours of lecture and two three-hour laboratory periods per week. Prerequisite: CY215 with a grade of C- or better. This course is not accepted for the Natural World Physical Science requirement.

CY398 Readings in Chemistry (1–3) Individually-negotiated program of readings primarily directed towards literature searches in chemistry. An independent study contract must be filed with the Registrar. Prerequisite: approval of the instructor and the department chairperson. This course is not accepted for the Natural World Physical Science requirement.

CY399 Independent Projects (1–3) Individually-negotiated projects. An independent study contract must be filed with the Registrar. Prerequisite: approval of the instructor and the department chairperson. This course is not accepted for the Natural World Physical Science requirement.

CY400/401 Undergraduate Seminar/Research (1/2) SC A two-semester introduction to chemical research. The first semester will focus on development of an individual research topic, writing a proposal, and safety considerations, and

may include beginning laboratory work. Chemical Abstracts and other data-retrieval systems will be used to locate information on the theory and method needed for the project. The second semester will consist of laboratory work and will conclude with a seminar and written report on the results of the project. CY400 will be offered each fall. CY401 will be offered each spring. Prerequisites: senior status and approval of department chairperson. This course is not accepted for the Natural World Physical Science requirement.

Communication

Penny Avery, Ph.D., Chairperson

Ian Borton, Ph.D.; Kyle Hull, Ph.D.; Renee Beth Stahle, Ph.D.; David Weinandy, Ph.D. Randy Wyatt, M.F.A.

Mission Statement. The Communication Department mission is to provide a sound theoretical and practical curriculum in human communication which will foster understanding, appreciation and practice of communication in various contexts, prepare students for professional/citizenship endeavors, and equip students for life-long learning.

Student Learning Objectives. Student Learning Objectives for all the Communication Major Options and the Communication Minor include:

- Produce theoretically-informed competent communication in multiple contexts (e.g., interpersonal, public, group, organizational).
- Evaluate communication competency in multiple contexts (e.g., interpersonal, public, group, organizational).
- Analyze scholarly communication literature and contemporary texts.

Student Learning Objective for the Communication and Interdisciplinary Communication Majors only include:

- Design and execute theoretically informed original communication research.

Departmental Policies

- All Communication courses applied to the described majors or minor must be completed with a grade of C or better. Students may only take a course twice to obtain the requisite grades for any of the Communication majors or minor. Each prerequisite must be completed with a grade of C or better before taking an additional course requiring that prerequisite course.
- In order to declare a Communication, Interdisciplinary Communication, Communication Major with Theatre Emphasis, or Communication minor, students must have an overall college grade point average of 2.0. Students falling below the 2.0 overall grade point average may be removed as a major or minor at the department's discretion.
- Students may take a TOTAL of six (6) semester hours from among CN397, CN398, CN399, and Prior Learning credit. Students are strongly encouraged to complete an internship (CN397) graded as Credit/No Credit.
- Every required Communication course is offered at least once a year in either the daytime or evening programs, and every elective course is offered at least once every two years. Therefore, no regularly offered course, required or elective, may be taken as independent study. Students are encouraged to plan their academic schedule with a Communication Department advisor.
- All students seeking teacher certification should prepare to take a content specific state examination. A link to the Speech secondary education endorsement preparation materials can be found on the Communication web page: aquinas.edu/communication/degrees

NOTE: ALL Communication courses qualify for General Education credit for the Social Science: Group 1 AND Group 2 Distribution.

Communication Major. Designed for students who want a solid foundation in the major areas of the communication discipline toward a Bachelor of Arts degree.

Major Requirements: Thirty-eight (38) semester hours in Communication.

Required Courses: Twenty-six (26) semester hours including:

- | | | |
|--|-------------|--------------|
| — CN101 | — CN285 | — CN406 (SC) |
| — CN205 | — CN305 | — CN498 (WI) |
| — CN206 | — CN307 | |
| — Twelve (12) semester hours of electives chosen from: | | |
| - TE141(AT) | - CN207 | - CN311 |
| - CN185 | - CN208 | - CN315 |
| - CN186 | - CN212 | - CN316 |
| - CN207 | - TE223 | - CN350 |
| - CN208 | - CN300 | - CN303 |
| - CN212 | - CN301 | (continued) |
| - TE141(AT) | - CN302(WI) | - CN310 |
| - CN185 | - CN303 | - CN311 |
| - CN186 | - CN310 | - CN315 |
| | | - CN316 |
| | | - CN350 |
| | | - CN360 |
| | | - CN361 |
| | | - CN397 |
| | | - CN398 |
| | | - CN399 |
| | | - CN401 |

No more than six (6) semester hours may be taken from CN397, CN398, or CN399. At least eighteen (18) semester hours must be taken at Aquinas.

Interdisciplinary Major in Communication

Major Requirements: Designed for students who wish a specific focus in the Communication Discipline toward a Bachelor of Arts degree. Forty-one (41) semester hours in Communication.

Required Courses: Twenty-six (26) semester hours including:

- | | | |
|--|--------------|--|
| — CN101 | — CN305 | |
| — CN205 | — CN307 | |
| — CN206 | — CN406 (SC) | |
| — CN285 | — CN498 (WI) | |
| — Fifteen (15) semester hours of electives comprised of three (3) hours in Communication and twelve (12) hours in other selected disciplines determined in coordination with a Communication Department advisor. | | |

Communication Electives:

- | | | | |
|---------|--------------|---------|---------|
| - CN185 | - CN300 | - CN311 | - CN397 |
| - CN186 | - CN301 | - CN315 | - CN398 |
| - CN207 | - CN302 (WI) | - CN316 | - CN399 |
| - CN208 | - CN303 | - CN350 | - CN401 |
| - CN212 | - CN310 | - CN360 | |

A statement of how the chosen electives are related to the specific area of focus is required for approval of this major. No more than three (3) semester hours may be taken from CN397, CN398, or CN399. At least eighteen (18) semester hours must be taken at Aquinas College.

Communication Major with a Theatre Emphasis (B.A.)

Designed for students interested in both Communication and Theatre as they work toward a Bachelor of Arts degree, especially recommended for students seeking secondary education certification in speech.

Major Requirements: Thirty-eight (38) semester hours total.

Required Courses: thirty-two (32) semester hours:

- | | | |
|---|--------------|--------------|
| — CN101 | — CN307 | — TE244 |
| — CN205 | — TE130 (AT) | — TE251 (AP) |
| — CN206 | — TE141 (AP) | — TE253 |
| — CN285 | — TE242 | — TE341 |
| — Six (semester hours of electives chosen from: | | |
| - CN185 | - CN311 | - TE222 |
| - CN186 | - CN350 | - TE223 |
| - CN207 | - CN360 | - TE241 |
| - CN208 | - CN361 | - TE250 |
| - CN300 | - CN397 | - TE281 |
| - CN301 | - CN398 | - TE282 |
| - CN302(WI) | - CN399 | - TE283 |
| - CN303 | - CN401 | - TE310 |
| - CN305 | - TE123 | - TE344 |
| - CN310 | - TE221 | - TE351 |
| | | - TE352 |
| | | - TE361 |
| | | - TE362 |
| | | - TE383 |
| | | - TE384 |
| | | - TE397 |
| | | - TE399 |

No more than six (6) semester hours may be taken from CN397, TE397, CN398, CN399, or TE399.

TE253 and TE341 must be taken for a minimum of one (1) semester hour each. At least twelve (12) semester hours must be taken at Aquinas College.

Business Administration and Communication Dual Major

Provides strong preparation for careers that require a business background and effective communication toward a Bachelor of Science in Business Administration degree.

Major Requirements: Fifty-seven (57) semester hours.

Required Courses:

- | | | |
|----------------|-----------------------|--|
| — CS152 | — BS305 | — CN305 |
| — ES211 | — BS331 or BS332 | — CN307 |
| — ES212 | — BS457 or BS492 (SC) | — CN401 |
| — AG210 | — BS460 | — MS151 (MS252 or MS494
may be substituted) |
| — AG211 | — CN101 | |
| (continued...) | — CN205 | |
| — BS201 | — CN206 | |
| — BS202 | — CN301 | |

At least eighteen (18) semester hours of the dual major must be taken at Aquinas College.

Concentration Options and Requirements. Two concentrations (Marketing and Human Resources) are designed to provide the student with professional preparation in the fields of either Marketing or Human Resources. Each concentration is fifteen (15) semester hours.

CN208 Nonverbal Communication (3) SS1/SS2 Elements of nonverbal communication: body and gestures, paralanguage, facial and eye behavior, arrangement and use of space. Prereq: CN101.

CN/BS/PS212 Parliamentary Procedure (1) SS1/SS2 Designed to familiarize the student with fundamental practices in the process and procedures of rules of order as practiced in organizations and businesses.

CN285 Understanding Mass Media (3) SS1/SS2 Analysis of the dynamics of mass media and its influence on society; criticism of the rhetoric of mass media; techniques for consuming media messages. Prerequisite: CN101.

CN300 Listening (3) SS1/SS2 Listening combines context theories dealing with various aspects of the listening process with skill application to encourage applied and theoretical competence. Prerequisite: CN101.

CN301 Intercultural Communication (3) SS1/SS2 Analysis of verbal and nonverbal language relativity and potential barriers and breakdowns in communication between individuals of differing cultures, subcultures, including not only national and ethnic differences, but also differences in age, sex, vocation, financial status, etc. Prerequisite: CN101.

CN302 Communication Ethics (3) SS1/SS2, WI Principles and perspectives of ethical speech communication are studied and applied to a variety of private and public communication situations. The impact of honest versus deceptive communication of the individual and society is evaluated. Prerequisite: CN101.

CN303 Principles of Persuasion (3) SS1/SS2 Theory and methods of changing, modifying, and reinforcing attitudes and behaviors through communication. Prerequisite: CN101.

CN305 Advanced Public Speaking (3) SS1/SS2 Advanced theory and skills for effective informative and persuasive public speaking including audience adaptation, research, composition, organization, support, voice and movement. Prerequisite: CN101, CN205.

CN307 Small Group Communication (3) SS1/SS2 Principles and perspectives of communication in small groups including development, roles, norms, conflict, language and nonverbal communication; techniques of decision making and problem solving, information sharing and public presentations. Prerequisites: CN101, CN205, CN206.

CN310 Special Topics in Communication (3) SS1/SS2 Offered as timely issues concerning communication arise.

CN/WS311 Gender Communication (3) SS1/SS2 Principles and perspectives of the similarities and differences in men's and women's communication. Presents skills that men and women can use to communicate more effectively. Prerequisite: Sophomore

CN315 Comm. Lab Theory & Practice (3) SS1/SS2 Theory and practical application of the communication lab facilitation process. Designed to highlight the applied role of communication in the facilitation of client interaction, with an emphasis on, but not limited to: facilitation methods, facilitator-client relationship, lab functioning/climate, and constructive feedback design. Prerequisite to acting as a facilitator within the communication lab. Prerequisites: CN101, CN205, CN305* *CN305 may be enrolled in concurrently.

CN316 Communication Lab Facilitation (1-3) SS1/SS2 Up to three (3) semester hours (enrollment may be repeated to obtain a total of three semester hours) of experience facilitating the communication lab. Facilitators will assist clients with honing communicative and public speaking related activities, including but not limited to: topic generation, organization, audience analysis, self-presentation, and verbal/nonverbal delivery across varying contexts. Only available for Credit/Fail. Instructor approval required. Prerequisites: CN101, CN205, CN305, CN315.

CN350 Crisis Management (3) SS1/SS2 A pragmatic and theoretical perspective on the role of communication before, during, and after an organizational crisis. Prerequisite: Sophomore

CN360 Conflict Resolution 1 (3) SS1/SS2 Introduces theoretical concepts related to interpersonal conflict, conflict styles, tactics, power, and relationships through conflict theory, research, observation and practice. Fulfills half the requirements (along with CN361 and 40 hours of observation) to become a State Court Administrative Office approved mediator and listed in court rosters in Michigan to mediate general civil cases (e.g. employment, contract, landlord/tenant, neighborhood disputes) as well as work for Michigan's dispute resolution centers. Prerequisites: CN101, CN206.

CN361 Conflict Resolution 2 (3) SS1/SS2 Description dictated by the SCAO requirements (not unique to Michigan) for 40-hour mediator trainings, including substantive content, teaching formats and methods, satisfying the training requirements for court-approved mediators in Michigan and other states. Retention of syllabus and manual are needed for

mediator approval. Course does not satisfy all requirements of the Michigan Court Rules for approval as mediators (MCR 2.411); additional requirements are discussed. Prerequisites: CN101, CN206, CN360.

CN397 Field Experience in Communication (Variable) SS1/SS2 Up to six (6) semester hours of internship or experience in a field directly related to communication. Only available for Credit/No Credit. Prerequisite: Department chairperson approval.

CN398 Readings in Communication (Variable) SS1/SS2 Individually negotiated program of readings on a selected topic established between instructor and student. Contracts filed with Registrar. Prerequisite: Department chairperson approval.

CN399 Independent Project (Variable) SS1/SS2 Individually negotiated project in a selected area related to communication established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: Department chairperson approval.

CN401 Organizational Communication (3) SS1/SS2 Human communication in organizations, including groups and dyadic communication operating in the organizational structure. Prerequisites: CN101, CN206, Junior or instructor approval.

CN406 Advanced Communication Theory (4) SS1/SS2, SC Survey of principal communication theories; an introduction to theory building. Must be taken at Aquinas College. Offered only in the fall semester. Offered only in the sixteen (16) week format. Prerequisites: CN101, CN205, CN206, CN285, CN307.

CN498 Research Methods (4) SS1/SS2, WI Quantitative and qualitative methods applied to communication; practice in research methods; presentation of the research project. Must be taken at Aquinas College. Offered only in the spring semester. Offered only in the 16-week format. Prerequisites: CN101, CN205, CN206, CN305, CN307, CN406.

Community Leadership

Michael J. Lorr, Ph.D., Program Director

The Community Leadership major and minor at Aquinas College are interdisciplinary academic programs that encourage students to become more deeply engaged in the community and consider careers that require social problem solving. The major and minor each require extensive practice in public and non-profit organizations that address suffering, injustice and inequality. This scaffolded, experiential learning program includes interdisciplinary perspectives and coursework in social justice, sustainability, basic human needs, and on a variety of community sectors. The goal of the program is to support student learning so that students develop an understanding of the complexity of social problems and gain the operational and analytical skills needed to create social change for the public good.

Community Leadership Student Learning Outcomes

- Students will develop a deeper understanding of their role and responsibility as community members by studying community strengths, assets, problems, and needs.
- Students will become effective, active participants in the communities they are a part of by discussing, visiting, and working with specific **community sectors** (e.g., healthcare, government, education, non-profits) emphasizing **social justice** (redistributing resources to those in need and ending oppression and domination in all institutions), **sustainability** (improving the environment, equity, and economy) and **basic human needs** (access to food, clothing, shelter, education, employment, healthcare, transportation, and an unpolluted environment).
- Students will meet, network with, and be mentored by several community members and community leaders who work towards social justice using multiple methods (e.g., direct action, legislative, social entrepreneurship, policy, social advocacy, activism, mutual aid, direct service, social work).

NOTE: ALL Community Leadership courses qualify for General Education credit for the Social Science: Group 1 Distribution.

Community Leadership Major – Bachelor of Arts (B.A.)

Major Requirements: Thirty-seven (37) semester hours - twenty-eight (28) required, nine (9) elective semester hours)

Required Courses:

- CL100 (4)
- AG100 (3)
- GY212 (4)
- Nine (9) semester hours of electives. One elective per discipline and two of the three electives must be at the 200-level or above.
- ES211 (3)
- TY255 (3)
- CL300 (3) OR BS356 (3)
- CL/SY396 (4)
- CL400 (4) SC

Students must have a minimum grade of C in each course.

Community Leadership Minor

Minor Requirements: Twenty-four (24) semester hours - twenty-one (21) required, three (3) elective.

Required Courses:

- CL100 (4)
- AG100 (3)
- Three (3) semester hours of electives at the 200-level or above.
- TY255 (3)
- CL300 (3) OR BS356 (3)
- CL/SY396 (4)
- CL400 (4) SC

Students must have a minimum grade of C in each course.

Elective Courses for Community Leadership

Accounting:

AG 303 Accounting for Nonprofits (3)

Business:

- BS200 Fundamentals of Organizations (3)
- BS235 Social Entrepreneurship for Developing Economies (3)
- BS355 Organizational Behavior (3)
- BS425 Not-for-profit Organizations: Theory and Practice (3)

Community Leadership

- CL201 Leadership for Social Change (1)
- CL300 Fund Development and Grant Writing (3)
- CL310 Special Topics in Community Leadership (variable)
- CL395 Ireland Community Aides Internship (3)
- CL398 Readings in Community Leadership (variable)
- CL399 Independent Project in Community (variable)

Economics:

- ES211 Microeconomic Principles (3) (for minor only)
- ES212 Macroeconomic Principles (3)

Geography:

- GY120 Human Geography (3) GP (for major only)
- GY212 Urban Geography (4) (for minor only)
- GY313 Advanced Urban Geography (variable)

Philosophy:

- PH110 What is Justice? (3) HP (for major only)
- PH238 Environmental Philosophy (3)

Political Science:

- PS101 American Government and Politics (3) (for major only)
- PS150 World in Crisis (3) GP (for major only)
- PS310 Intergovernmental Relations (3)
- PS/BS340 Public Administration (3)

PS 401 Health Care Policy (3)

Sociology:

SY102 Introduction to Social Work (3) (for major only)

SY103 Cultural Anthropology (3) GP (for major only)

SY201 Social Psychology (3)

SY205 Trying Social Work (4)

SY/CL209 Sustainable Cities and Environmental Justice (3)

SY260 Introduction to Social Problems (3)

SY302 Community Sociology (3)

SY312 Social Stratification (3)

SY375 Complex Organizations (3)

Sustainable Business:

SB315 Building Social Capital (3)

Theology:

TY250 Christian Morality (3) TF

Women's Studies

WS260 Women and the Environment (3)

WS314/SY311 Women, Girls, and Leadership (3)

WS/PS325 Feminist Theory and Activism (3)

NOTE: ALL Community Leadership courses qualify for General Education credit for the Social Science: Group 1 Distribution.

Course Descriptions:

CL100 Exploring Community Leadership (4) SS1 This introductory course for the Community Leadership major and minor introduces students to the concepts of community, service, civic responsibility, social justice, social entrepreneurship, and leadership in public and nonprofit organizations. In addition to regular class meetings, students will spend at least thirty (30) hours, or 2-3 hours per week, in volunteer/service-learning situations relevant to careers in public, social service, or non-profit organizations. Students will use these volunteer/service-learning experiences coupled with course readings, in-class discussion with the instructor, community leader guest speakers, and peers to begin developing a "reflect, act reflect" framework for community engagement.

CL201 Leadership for Social Change (1) SS1 This course offers students opportunities to explore what it takes to create social change through service-learning experiences and leadership development. This course is intended to raise consciousness and increase knowledge surrounding a community issue, provide service opportunities to students surrounding that issue, and guide small cohorts of students in attempts to address that issue.

CL/SY209 Sustainable Cities and Environmental Justice (3) SS1/SS2 In this course, students investigate sustainable cities and environmental justice from the perspectives of social science scholars, focusing on the meaning of the global environmental crisis for particular urban areas. Throughout the course, students will identify, describe, and evaluate multiple theories and findings that attempt to explain and uncover how cities strive to be sustainable but fall far short of the demands for environmental justice. This course will enable students to attribute multiple social science theories and findings accurately, to take a position based on these theories and findings, to raise and answer counterpoints to these theories and findings, to pose solutions to environmental-based urban problems, and to use sustainability and environmental justice as frameworks for problem-solving.

CL300 Fund Development and Grant Writing (3) SS1 This course provides an introduction to fund development, grant research, and grant writing. Through effective partnership with a nonprofit organization and hands on experience, students will learn about the principles, practices, and strategies of fund development and write a complete grant proposal by the end of the course. Prerequisite: CL100

CL310 Special Topics in Community Leadership (variable) SS1 Offered as timely issues concerning community leadership arise.

CL395 Ireland Community Aides Internship (3) SS1 For four decades, Aquinas College has been providing students study abroad opportunities in Tully Cross, Ireland to connect with its history, culture, landscape, and most importantly, its people. Modeled on the highly successful “Teacher’s Aide” Internship, this course provides students with the opportunity to spend fifty (50) hours working as interns for key community development and human services programs in the Renvyle Peninsula community. The community internships provide students with the opportunities to learn about rural community development and, through partnering with local non-profit groups, students gain meaningful experiential knowledge about how community leadership has revitalized this rural and traditionally under-served region. Students interview for positions and work with community leaders to find suitable placements. In addition to serving as interns, students report their experiences back to an Ireland Program Director for formal evaluation.

CL/SY396 Sociological Practicum in Community Leadership (4) SS1 In this field placement course, students spend at least one hundred fifty (150) hours, or 10-15 hours per week, in service-work/learning-work situations relevant to careers in public, social service, or non-profit organizations, in addition to regular meetings with the instructor. This practicum provides the practical experience for deepening community engagement and raising important questions about society and social justice. Prerequisites: CL100 or SY101.

CL398 Readings in Community Leadership (variable) SS1 This is an individually negotiated program of readings on a selected topic established by contract between instructor and student. This course requires the prior approval of the Community Leadership Director.

CL399 Independent Project in Community Leadership (variable) SS1 This is an individually negotiated project in Community Leadership established by contract between instructor and student. This course requires the prior approval of the Community Leadership Director.

CL400 Community Leadership Capstone Seminar (4) SS1, SC This course builds on the “reflect, act, reflect” framework of community engagement started in CL100 and continued in CL396. Students utilize their recent experience in CL396 to develop an analysis of how the agency and the larger community might more effectively address suffering, social problems, and social injustice. In concert with the student’s organization, community leaders, and the instructor, students reciprocate the time and training they received at their organization by completing at least one higher-level community project that increases the ability of the organization to fulfill its mission and each student’s ability to impact the community (e.g., program development, program assessment, fundraising, grant writing, direct action, legislation, social entrepreneurship, policy-making, social advocacy, activism, legislation, social entrepreneurship, policy-making, social advocacy, activism, mutual aid, direct service, social work, letter writing/petitioning campaigns).

Computer Information Systems

Richard S. Latimer, M.S.

The Computer Information System / Management Information System (CIS/MIS) programs are continually being strengthened and updated to ensure that the courses are in alignment with the latest technologies. Students who declare a major or minor in CIS/MIS are subject to the program requirements as stated in the Academic Catalog effective at the time of their official declaration. Incoming students who express an interest in this program should be advised that current program requirements may or may not change as technology evolves to ensure students are prepared to meet the challenges in the industry.

The Computer Information Systems program offers courses leading to Majors in Computer Information Systems (CIS) and Management Information Systems (MIS). The program also offers minors that can be used to complement other disciplines, and multiple technology courses meeting General Education requirements.

Program Mission Statement. To prepare students for careers in information technology as well as working with information technology programs.

Student Learning Outcomes. Students earning a CIS or MIS Major will:

- Demonstrate mastery of fundamental programming constructs (e.g., basic computation, simple I/O, standard sequence, selection, and iterative structures; functions/methods)

- Exhibit a basic understanding of IT infrastructure (e.g., networks, operating systems, standard components, security/client configuration)
- Accurately design a relational data model and administer its implementation (e.g., normalization, physical design, structured query language)
- Successfully apply knowledge of data structures, logic algorithms, and analysis techniques to solve business and information problems

Program Overview. The program offers courses in five main areas: programming, systems, networking, web development, and database. Aquinas and the CIS program have offered the CIS major for more than twenty-five years. Aquinas students and alumni have earned graduate school admittance, placement in internships and entry-level jobs, and advanced field achievement in these areas during their college career and after graduation.

The program also offers a major in Management Information Systems. The purpose of this degree is to emphasize the balance of information technology and the knowledge of business functions. The MIS degree focuses on the design, implementation, management, and use of Information Technology applications in organizations, while adding fundamental business administration skills to the student’s toolset.

In both the CIS and MIS majors, the program prepares tomorrow’s information technology and systems executives and professionals. The information age requires a new set of management skills focused on the appropriate use and integration of technology in a strategic manner.

Students interested in any CIS or MIS program should meet with a CIS program advisor. A maximum of three (3) semester hours of CS397 (Field Experience/Internship) may be used toward a major. The only Credit/No Credit courses that may be applied to any CIS/MIS program are CS210, CS397, and CS460. Current students wishing to take courses from other colleges and apply them to any CIS/MIS major or minor must have written program approval prior to course enrollment. A combined maximum of six (6) semester hours of independent study, life experience, and/or field experience credits can be applied to the major. A minimum of twenty-four (24) semester hours for the CIS major and twenty-one (21) semester hours for the MIS major must be taken at Aquinas College. A minimum of twelve (12) semester hours toward a CIS or MIS minor must be taken at Aquinas College. For a course to count towards any CIS program major or minor, the earned grade must be a straight “C” or better.

Aquinas offers the following additional technology courses:

- | | | |
|---------|---------|---------|
| • CS150 | • CS154 | • CS158 |
| • CS151 | • CS155 | • CS159 |
| • CS152 | • CS156 | • CS160 |
| • CS153 | • CS157 | • CS161 |

One or more of which may be required in conjunction with majors or minors in other departments. All students taking any CIS course are required to have an Electronic Login Manager (ELM) account before the first meeting. For all eight-week CS courses, students are required to attend the first week unless they have prior instructor approval.

Bachelor of Science Major in Computer Information Systems

CIS Major Requirements: Forty-nine (49) semester hours

Required Courses:

- | | | |
|---------|---------|------------------|
| — CS170 | — CS244 | — CS332 |
| — CS180 | — CS300 | — CS334 |
| — CS182 | — CS302 | — CS336 |
| — CS220 | — CS304 | — CS338 |
| — CS242 | — CS308 | — CS397 or CS460 |

Bachelor of Science Major in Management Information Systems

MIS Major Requirements Forty-four (44) semester hours

Required Courses:

— CS153	— CS242	— CS332
— CS154	— CS252	— BS201
— CS156	— CS300	— BS202
— CS158	— CS302	— AG210
— CS170	— CS304	— AG211
— CS180	— CS308	

CIS Minors. Three separate CIS minors are offered to suit specific IT/IS needs: networking, analysis, and web design. Requirements for each of these are listed below. In general, for a CIS minor to be declared in conjunction with another major or minor at Aquinas, no more than one third of the courses (typically two (2) courses or a maximum of eight (8) semester hours) may overlap.

CIS Web Design Minor

Minor Requirements: Twenty-four (24) semester hours

Required Courses:

— CS158	— CS180	— CS258
— CS161	— CS182	— CS242
— CS170	— CS220	— CS244

CIS Networking Minor:

Minor Requirements: Twenty-two (22) semester hours

Required Courses:

— CS170	— CS332	— CS338
— CS180	— CS334	
— CS242	— CS336	

CIS Analyst Minor

Minor Requirements: Twenty-five (25) semester hours

Required Courses:

— CS170	— CS300	— CS308
— CS180	— CS302	— CS332
— CS242	— CS304	

MIS Minor. The MIS Minor provides knowledge and skills in working with Information Technology to supplement a variety of majors.

Minor Requirements: Twenty-five (25) semester hours

Required Courses:

— CS153	— CS170	— CS300
— CS154	— CS180	— BS201
— CS156	— CS252	— AG210
— CS157	— CS332	

In general, for a MIS minor to be declared in conjunction with another major or minor at Aquinas, no more than one third of the courses (typically two (2) courses or a maximum of eight (8) semester hours) may overlap.

Suggested Course Sequence, CIS Major:

Year 1 – Semester 1	Semester 2
CS170	CS182
CS180	MS151
CS158	
Year 2 – Semester 1	Semester 2
CS151	CS153
CS152	CS244
CS154	CS252
CS220	
CS242	
Year 3 – Semester 1	Semester 2
CS157	CS304
CS300	CS308
CS302	CS332
CS334	
Year 4 – Semester 1	Semester 2
CS336	CS397 or CS460
CS338	

Suggested Course Sequence, MIS Major

Year 1 – Semester 1	Semester 2
CS170	CS156
CS180	
CS158	
Year 2 – Semester 1	Semester 2
BS201	BS202
CS151	CS153
CS152	CS252
CS154	
CS242	
Year 3 – Semester 1	Semester 2
CS157	CS304
CS300	CS308
CS302	CS332
Year 4 – Semester 1	Semester 2
AG210	AG211
Senior Capstone	

Course Descriptions:

CS150 Technology Concepts (1) This course provides students with the opportunity to become aware of the concepts of workplace and personal technology, as well as technology trends and how they impact personal and professional life. The unique role of the individual in the development, use, ethics and security of technology is highlighted. This course utilizes an e-book and online resources as well as classroom presentation and discussion. Students of all skill levels, backgrounds, and career goals will benefit from these vital topics.

CS151 Word Processing (1) This hands-on lab course covers basic word processing functions such as editing, formatting, and printing using Microsoft Word. Course projects introduce skills such as header/footers, cover pages, tables, and research paper style. This course would be beneficial to all students who need to improve their understanding of document creation and editing.

CS152 Spreadsheets (1) This hands-on lab course covers basic spreadsheet functions such as simple formulas, formatting, and print layout using Microsoft Excel. Course projects introduce skills using a variety of formulas and basic functions, charts, and absolute addressing. This course would be beneficial to any students with a desire to analyze numerical data, manage finances, perform simple statistics, or generate charts and graphs.

CS153 Presentation Graphics (1) This hands-on lab course introduces presentation graphics software. Microsoft PowerPoint is used to create and edit on-screen “slide” presentations, handouts, and overhead transparencies. Course projects introduce skills such as adding clipart, creating custom backgrounds, and maximizing transitional effects. This course would be beneficial to any students who will be making presentations in other courses, in future business settings, or for educational purposes.

CS154 Database (1) This hands-on lab course covers basic database and file management functions using Microsoft Access. It is a software application class, not a programming course, and introduces skills such as creating reports, setting up input forms, and looking up database information. Database software packages are used to create and manage data files such as employee records, inventory files, names and addresses, and business contact lists. This course would be beneficial to students of all backgrounds.

CS155 Internet (1) This hands-on lab course covers a variety of Internet concepts such as email, search strategies, browser software tips, basic web page design, and ethical/ legal issues related to the Internet. No prior Internet experience is required, but some basic experience with computers is helpful. Students must have access to the Internet and an email account outside of class. (Aquinas student accounts are available.) Students with extensive prior Internet experience or those interested in web page design should consider taking CS158 instead of this course.

CS156 Accounting Technology (1) Accounting technology provides an opportunity for students to generate financial information for planning and decision-making using a leading full-service accounting information system. Students learn to create financial statements and supplemental schedules, budgets, graphical analysis, and other reports that facilitate the process of problem resolution.

CS157 Introduction to Project Management (1) This hands-on lab course covers the basic functions of project management software. Some of the topics covered include breaking your project into phases, identifying critical tasks, managing costs and resources, viewing and printing reports, managing the critical path, and refining project plans.

CS158 Web Page Design (1) This hands-on lab course covers web page design using Adobe Dreamweaver. Basic HTML coding is introduced, but programming experience is not a prerequisite. Some prior experience with computers and the Internet, however, is presumed. Students must have access to the Internet and an email account outside of class. (Aquinas student accounts are available.) Course projects introduce skills such as using templates, integrating graphics and images, forms, and frames.

CS159 Desk-Top Publishing (1) This hands-on lab course covers desktop publishing concepts and application using Microsoft Word, Microsoft Publisher, Microsoft PowerPoint, and Adobe Dreamweaver. Experience and knowledge of basic word processing skills are beneficial. Course projects introduce skills such as creating templates, integrating graphics and images, designing newsletters, and formatting multi-section documents.

CS/MCTH160 MIDI Music Publishing (1) AT This course is designed to teach anyone, even non-musicians, how to create professional-looking music scores quickly with the aid of the computer for personal use, and for transporting music to other instruments. This course is currently taught using FINALE software. The course also discusses the principles of MIDI (Musical Instrument Digital Interface) Sequencing, and Analog vs. Digital Recording.

CS161 Image Editing (1) This hands-on lab course covers the creation and editing of professional quality graphics. These graphics can be used to enhance web pages, professional presentations (with photography), and other non-chart graphics. Students will scan, manipulate, and compress digital images. The course is currently taught using Adobe software.

CS170 Principles of Operating Systems (3) Fundamental concepts in operating systems and how they are used in computing will be explored. Hands-on exposure to Windows and a UNIX-type operating system are included. A study of disk layouts and management as well as memory management will be presented. Windows and UNIX command prompt manipulation will complete the requirements. Co-requisite of CS180 recommended.

CS180 Structure and Logic (4) Fundamental concepts in structured object-oriented programming. Structures include sequence, selection, repetition, writing, and the use of methods and objects. Programs will be designed using the Warnier-

Orr diagramming tool. Designs will be coded, debugged, and tested using a programming language. Co-requisite of CS170 recommended.

CS182 Data Structures with C# (4) Programs using classes, objects, error handling, arrays, and array-based lists will be designed, coded, debugged, and tested using the Windows GUI interface and the C# programming language. Prerequisites: MS151, CS180.

CS198 Independent Reading (Variable) Individually-negotiated program of readings for non-majors in a selected topic established by contract between the instructor and the student.

CS210 Introduction to Algorithms (2) This course focuses on techniques for constructing correct and efficient algorithms, as well as on tools to reason about the algorithms. Students will analyze, design, and develop programmatic solutions to selected problems. Class will include discussion of problem-solving strategies and existing solutions, with the majority of the time spent programming and testing the possible solution(s). This is a credit/no-credit course. Prerequisite: CS182.

CS220 Survey of Programming Languages (3) Fundamental concepts of programming in low- and high-level languages, compiled and interpretive languages, procedural and non-procedural languages will be studied. As this is primarily a programming course, students will be designing, writing, testing, and debugging programs in several languages. Prerequisites: CS158, CS182.

CS242 Database Theory (3) Introduction to concepts and technology of database management systems; physical data organization; hierarchical, network, and relational models; reading and writing basic structured query language (SQL) statements using a commercial relational database management system. Prerequisites: CS154, CS170, CS180.

CS244 Web Programming with Databases (4) Students will design and implement an application using a database engine and a programming language that supports web development. Students will study and use advanced SQL statements, and will be required to design, code, debug, and test a web-based application. Prerequisites: CS220, CS242.

CS251 Advanced Word Processing (1) This course is the second of two courses in word processing. It is designed to teach advanced topics such as mail merge, envelopes, web forms, macros, Visual Basic for Applications, indexing, table of contents, and newsletters. Prerequisite: CS151.

CS252 Advanced Spreadsheets (1) This course is the second of two courses in spreadsheets. It is designed to teach advanced topics such as advanced formulas, list management, templates, object linking and embedding, macros, Visual Basic for Applications, data validation, and pivot charts and tables. Prerequisite: CS152.

CS254 Advanced Database Technology (1) This course is the second of two courses in database technology. It is designed to teach advanced topics such as object linking and embedding, subforms, switchboards, pivot tables and charts, reporting and forms, Visual Basic for Applications, and database administration. Prerequisite: CS154.

CS258 Advanced Web Page Design (1) This course is the second of two courses in word processing. It is designed to teach advanced topics such as XHTML formatting, Dreamweaver, Photoshop, Flash, Fireworks, JavaScript and dynamic HTML and animation. Prerequisites: CS158.

CS/MCTH260 Advanced Midi Music Publishing (1) This course is designed to enhance the FINALE experience gained in CS160 by giving the student working knowledge of MIDI (Musical Instrument Digital Interface) Sequencing and Digital Audio Recording techniques through the use of a powerful computer-based Digital Audio Workstation software product known as Sonar X-1. Students will learn how to record, edit, mix and master professional musical tracks and export to mp3 and CD formats. Prerequisite: CS/MCTH160.

CS/BS300 Management Information Systems (3) SS1 This course presents an overview of various frameworks for information systems and systems development. Topics include formal systems theory for management problem solving, decision support systems, project management methodologies, feasibility analysis, and IT/IS governance. Practical application is included, using various analysis tools and software environments to create systems proposals, data models, and project plans. Prerequisites: CS151, CS170, CS180.

CS/BS302 Systems Analysis (3) SS1 This course is the second of two courses in business systems analysis using structured methodologies. Topics include process modeling, data flow diagramming, and object-oriented analysis. Practical application is included, using various analysis tools and software environments to create process models, various object-oriented models, and candidate design proposals. Prerequisites: CS152, CS300.

CS304 Systems Design (3) SC This course implements the logical models created in Systems Analysis. Topics include data analysis, event analysis, interface design and prototyping, and post-implementation and support. Practical application involves implementation of specific process analysis and design including physical network architecture modeling, input and output graphical user interface design prototyping, program design, and documentation and presentation of design to an audience. Prerequisites: CS153, CS302.

CS306 COBOL (3) Input, output, and data movement statements; arithmetic statements, conditional statements, perform statements. Application of COBOL to problems involving sequential files, report writing, and sort/merge. Prerequisite: CS182.

CS308 Project Management (3) Explores management techniques for information systems projects. Includes task identification, staffing, scheduling, security, risk identification and management, performance evaluation, and implementation methodologies. Hands-on use of a project management software package, as well as team competition in a simulated project management (software-driven) experience is included for practical application of skills. Prerequisites: CS157, CS252, CS302.

CS310 Special Topics in Computer Information Systems (variable) Offered when needed as timely issues concerning information technology arise.

CS317 Java Programming for Teachers (3) The creation and management of applications using Java. Students will write applications in Java, using objects and advanced data structures including stacks, queues, linked lists, and binary trees. Prerequisite: CS182.

CS327 Computer Graphics (3) Computer graphics standards; 2-dimensional graphics primitives including point, line, and polygon; translation, scaling, and rotation; graphical icons; applications in windowing environments; business graphics including bar chart and pie chart; introduction to 3-dimensional graphics; use of a graphics software package. Students write programs to create and manipulate graphical entities. Prerequisites: CS258, CS182.

CS332 Installing, Configuring, and Administering Windows Client (3) An introduction to a Windows client operating system. Students will be required to install, configure, and maintain a Windows client operating system. Students will study security, memory management, priorities, and sharing of system resources. Prerequisite: CS170.

CS334 Managing and Maintaining a Windows Server Environment (3) An introduction to a Windows server operating system. Students will be required to install, configure, and maintain a Windows server operating system. Students will study LANs, WANs, VPN, the OSI model, security, memory management, backup strategies, and sharing of system resources. Network accounts for users, computers, and printers will be created and tested. Prerequisite: CS332.

CS336 Implementing, Managing, and Maintaining a Windows Server Network Infrastructure (3) The study of the Windows server operating system as part of a larger network. Concepts of integrating several domains, enterprise networks, and mixed operating system environments are studied. Students will install and configure Windows Servers for DHCP, DNS, WINS, Windows Software Update Service, and Remote Access (via VPNs). Troubleshooting of TCP/IP and other network issues will be addressed. Prerequisite: CS334.

CS338 Designing Security in a Windows-Based Network Environment (3) The study of basic network security practices using a Windows-based network configuration. Students learn to craft and implement a set of security policies based on an analysis of possible threats. Authentication, access control, public-key encryption, IIS security, server/workstation hardening, and intrusion-detection topics will be addressed. Prerequisite: CS336.

CS397 Field Experience (Variable) Up to three (3) semester hours of internship or experience in a field directly related to Computer Information Systems, negotiated between major advisor and student. Prerequisite: approval of the department chairperson, CS244, CS258, CS304, CS308, CS336..

CS398 Independent Reading (Variable) A student may apply to take an Independent Reading course towards major or minor requirements. An outline should be prepared by the student and submitted to one of the faculty in the program. Upon the faculty's approval, a contract is signed between student and faculty member for a specified work to be done by the student in a specified period of time for a specified number of semester hours. Upon the completion of the work by the student, the faculty member will submit a letter grade. Prerequisite: CS182.

CS399 Independent Project (Variable) A student may apply to take an Independent Project course towards the major or minor. An outline should be prepared by the student and submitted to one of the faculty in the program. Upon the faculty's approval, a contract is signed between student and faculty member for a specified work to be done by the student

in a specified period of time for a specified number of semester hours. Upon the completion of the work by the student, the faculty member will submit a letter grade. Prerequisite: CS182.

CS460 Practicum in Information Technology (3) Students will form teams and select an application to design, code, test, debug, install, and document. The students on each team must demonstrate their academic learning over the previous three and one-half years in the other courses in the major. This is a credit/no-credit course. The instructor serves as the consultant, subject matter expert, and evaluator of the application completed by each team. Prerequisites: CS244, CS258, CS304, CS308, CS336.

Data Analytics

Joseph Fox, Ph.D.; Program Director

Data analytics is the process of reviewing (possibly extremely large) sets of raw data, preparing it for analysis, using mathematical and statistical techniques combined with programming and software applications to spot trends and other behavior, and presenting the analysis in a way that allows for actionable forecasting and assessment. This is an interdisciplinary field that combines statistics, mathematics, computer programming, information technology, and business administration.

Data Analytics Student Learning Outcomes

Upon successfully completing a Data Analytics major, students have gained:

1. a breadth and depth of mathematics and statistics skills necessary to apply high-level analytical thinking to data analysis problems.
2. an exposure to the basics of computer programming and analytics software use and, thus, the ability to quickly acquire technological know-how demanded on the job.
3. a foundation in business vocabulary, practices, and conventions necessary for an appreciation of the culture in which they will likely be working.
4. the chance to practice data analytics techniques on real-world data sets and to compile a project portfolio to show potential employers.

Data Analytics Major – Bachelor of Science (B.S)

Major Requirements: Forty-seven (47) semester hours. At least 24 credits must be taken at Aquinas College.

Required Courses:

— BS201 (3)	— CS180 (4)	— MS232 (3)
— BS202 (3)	— CS182 (4)	— MS252 (3)
— BS484 (3)	— CS242 (3)	— MS282 (3)
— CS154 (1)	— MS121 (4)	— MS340 (3)
— CS170 (3)	— MS122 (4)	— MS440 (3)

Students are strongly encouraged to complete an internship as part of their program of study.

Students will also be encouraged to consider a minor in Business Administration, with BS305 being one of the chosen electives.

Any student considering a career as an actuary or a graduate program in statistics will be encouraged to also take MS231, MS493, and MS494.

Data Analytics Minor

Minor Requirements: Twenty-two (22) - Twenty-four (24) semester hours. At least 12 credits must be taken at Aquinas College.

Required Courses:

- BS201 (3)
- CS152 (1)
- CS154 (1)
- One course from the following:
 - MS114 (4)
 - MS121 (4)
 - Any course having MS121 as a prerequisite (3 or 4)
- One elective chosen from the following:
 - CY215 (4)
 - ES465 (3)
 - CS180 (4)
 - CS252 (1)
 - MS252 (3)
 - GY280 (3)
 - MS340 (3)
 - MS282 (3)
 - PG/SY202 (4)
 - SB204 (3)

Economics

David J. Hebert, Ph.D., Chair

Michael Curry, MA

Mission Statement. The mission of the Economics Program is to foster critical, reflective, informed, and empowered participants and citizens, who understand cause and effect in the realm of economics. Through a range of courses and activities, the Economics Program offers crucial academic exposure to the study of economics and real world examples. The program also offers students non-classroom opportunities to participate in economic projects and experiences

Economics Minor

Minor Requirements: Twenty-one (21) semester hours in economics

Required Courses:

- ES211
- ES212
- ES311 OR ES312
- Twelve (12) semester hours of economics courses

Highly recommended courses: ES/BS301 and ES492

ES211 & 212 may be taken in either order, but it is recommended that students take ES211 first.

** At least twelve (12) semester hours toward the minor must be earned at Aquinas College. All courses applied to the minor must be completed with a grade of C- or higher.

NOTE: ALL Economics courses qualify for General Education credit for the Social Science: Group 1 Distribution.

Course Descriptions:

ES211 Microeconomic Principles (3) SS1 Introduction to the economic problem and the study of economics; basics of supply and demand; introduction to concepts and models used to understand the economic behavior of households and firms, economic outcomes under various market structures, market failures, and international trade.

ES212 Macroeconomic Principles (3) SS1 Introduction to the economic problem and the study of economics; basics of supply and demand; introduction to concepts and models used to understand the business cycle (fluctuations in national income and employment) and inflation; basics of international finance.

ES/SB300 Environmental Economics and Policy (3) SS1 Microeconomic theory and models of environmental economics are examined, such as common property resources, externalities, environmental accounting, contingent

valuation, and maximum sustainable yield, along with the complex economic and social impacts of environmental policy. Prerequisites: EL100 and ES211.

ES/BS301 Money and Banking (3) SS1 A study of financial institutions and markets and of monetary theory. Prerequisite: ES212.

ES311 Intermediate Microeconomics (3) SS1 Study of the theoretical models used to understand the economic behavior of households and firms, the outcomes to be expected under different market structures, and market failures; introduction to ways of assessing the efficiency and justice of market systems. Prerequisite: ES211, ES212.

ES312 Intermediate Macroeconomics (3) SS1 Study of the theoretical models used to understand business cycles and inflation and to evaluate fiscal and monetary policy. Prerequisite: ES211, ES212.

ES/BS313 International Business (3) SS1, GP An introduction to international business theory and practice. The balance of trade, balance of payments, international business strategy options, and the various modes of conducting international trade are included.

ES342 International Economics (3) SS1 A study of the fundamental principles of international economic relations. Subjects covered include the economic basis for international specialization and trade, the economic gains from trade, trade policies, economic blocs, and the international financial system. Prerequisite: ES211, ES212.

ES/BS352 Labor/Management Relations (3) SS1 Reviews the historical development of Labor and Management Relations in the United States. Explores the key aspects of today's management/labor/ government interactions. Highlights the collective bargaining process through simulation. Prerequisite: ES212.

ES/PS376 Public Sector Economics (3) SS1 Public Sector Economics is the study of tax and expenditure policy and theory. Public goods (education, infrastructure, etc.) require unique funding mechanisms to induce economic efficiency. Public sector economics is the study of these mechanisms. Beginning with a treatment of the median-voter model and utility maximization, the course charts a robust discussion of the interaction between government and citizen as taxes are collected, revenues are spent, and the efficiencies/inefficiencies of these mechanisms are uncovered. The course will focus on both the theoretical foundations of public sector economics and what the empirical research has to say about theory. Prerequisites: E211 and ES212. An understanding of algebra is mandatory and an understanding of calculus will be beneficial.

ES397 Field Experience in Economics (Variable) SS1 Up to three (3) semester hours of internship or experience in a field directly related to Economics, negotiated between major advisor and student. Prerequisite: approval of the department chairperson.

ES398 Readings in Economics (Variable) SS1 Individually negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

ES435 Development Economics (3) SS1 A study of economic development from primitive agricultural economies to modern manufacturing and post-industrial economies. Subjects include the many economic changes that accompany economic growth and why economic growth does or does not occur. Prerequisite: One course in economics.

ES465 Econometrics (3) SS1 Introduction to Econometrics offers a general introduction to econometric methodology. The course begins with the classical linear regression model. After analyzing the properties of the simple and multivariate regression models, we will delve into a richer class of models to deal with endogeneity, such as IV-regression, and 2SLS-regression. At this point, we will switch gears, and learn basic techniques of time-series data. All topics in the class will be analyzed in two contexts: theory and application. That is, after analyzing the theoretic properties of estimators, we will then apply them to real-life examples and data sets, with emphasis on both visualization and interpretation. The semester will conclude with group projects. Prerequisites ES211, ES212, MS110 or MS111, and MS151 or higher level statistics course.

ES492 History of Economic Thought (3) SS1, WI Analysis of the contributions and perspectives of major economic thinkers from Adam Smith to the present. Prerequisite: ES211 and junior status.

ES499 Capstone Course in Economics (3) SS1, SC Serves as capstone to economics major. This course applies microeconomic and macroeconomic theory to a variety of topics and requires students to engage in a research project. Students will read and analyze related journal articles. Includes a career exploration/goals component. Prerequisite: twenty-one (21) hours of economics including ES311, ES312; MS151 or higher-level statistics course, or concurrent enrollment in any unfinished course.

Education

Susan English, Ph.D., Dean of the School of Education

Briana Asmus, Ph.D.; Nkechye Ezech, Ed.D.; Justine Kane, O.P., Ph.D.; Stacy Slomski, M.A.

Mission Statement. The mission of the Aquinas College School of Education is to facilitate the development of competent, compassionate and committed educators of integrity.

Aquinas College education students may choose to pursue elementary teacher certification or secondary teacher certification. They may also choose from a wide range of major/minor options associated with teachable endorsements approved by the Michigan Department of Education (MDE). As MDE certification requirements are subject to change, consult an education department advisor for the most current information on program completion and MDE certification requirements.

Academic Expectations. Students must maintain a 2.5 minimum GPA to remain in the education program and must earn a “C” or better in all courses counting toward certification and program endorsements. A limited number of education courses (never more than 50% of a major/minor) can be transferred from other institutions. Initial admission into the teacher certification program requires:

- Minimum 3.0 college GPA
- Test scores (PRE, ACT, or SAT) scores that meet Michigan professional proficiency standards. Acceptable SAT scores for education program admission are Reading/Writing = 480 or above, Mathematics = 530 or above. (SAT scores must be from 03/05/16 or later.)

Disclosure of Civil and Criminal Infractions. The State of Michigan regulates and determines the legal acceptability of teacher certification candidates. A Michigan criminal background (ICHAT), National Sex Offender check, and fingerprint check will need to be completed upon entrance into the education program and again at the time of program completion. From the time of admission through recommendation for certification, students must accurately disclose to the college all criminal infractions. Falsification of records or failure to disclose criminal infractions could result in immediate dismissal from the education program. Students are responsible for fees associated with additional Michigan and FBI background checks which may be required by some placement school districts.

Student Teaching Semester. After successful completion of all coursework and program requirements, students will complete a one semester, full-time student teaching placement. Students must apply to student teach 1-2 full semesters prior to student teaching. Before being recommended for certification, students must also take and pass any associated Michigan Teacher Test for Certification (MTTC) exams, and must submit a comprehensive program portfolio. Contact the School of Education for additional information about program and MDE certification requirements.

Program Options. Students will select either an elementary or a secondary teacher certification program in addition to majors/minors that lead to MDE subject-area endorsement(s).

Elementary Teacher Certification Endorsement Options. Students pursuing elementary teacher certification will complete a series of professional preparation courses in addition to one or more of the majors/minors listed below. In light of Michigan Department of Education requirements, elementary education candidates should exercise great care when selecting general education courses. Consult an education advisor for additional details.

Elementary Professional Preparation Required Courses:

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|--------------|--------------|------------------|
| — EN130 | — EN444 | — MS261 |
| — EN201 | — EN442 | — MS271 |
| — EN207 | — EN440 | — ES211 or ES212 |
| — EN209 (WI) | — EN406 (SC) | — GY120 (GP) |
| — EN290 | — EN495 | — PS101 |
| — EN456 | — BY123 (NL) | — HY101 |
| — EN301 | — GY101 (NL) | — KN146 |
| — EN461 | — EN275 | — KN358 |
| — EN466 | — MS260 | |

NOTE: These courses must be completed with a grade of “C” or better.

Elementary Certification Major/Minor Options (choose at least one):

- | | |
|--|---------------------------------------|
| • Bilingual Spanish K-12 minor* | • Mathematics major/minor (grade 6-8) |
| • Early Childhood Education minor | • Physical Education K-12 major |
| • English as a Second Language K-12 minor* | • Reading minor (grade 6-8) |
| • Integrated Science major (grade 6-8) | • Social Studies major (grade 6-8) |
| • Language Arts major/minor (grade 6-8) | • Spanish major (K-8 or K-12) |
| • Learning Disabilities K-12 major | |

* Bilingual Spanish and ESL endorsements must be combined with a content-area endorsement (e.g. Language Arts, Math, etc.)

Secondary Teacher Certification Endorsement Options. Students pursuing secondary teacher certification will complete a series of professional preparation courses in addition to one of the options listed below. Be sure to consult with an education advisor regarding restrictions on major/minor combinations.

Secondary Professional Preparation Required Courses*:

- | | | |
|--------------|--------------|--------------------------|
| — EN130 | — EN461 | — EN498 |
| — EN201 | — EN466 | — The method elective(s) |
| — EN207 | — EN408 | associated with each |
| — EN209 (WI) | — EN453 | major/minor. |
| — EN456 | — EN454 | |
| — EN301 | — EN406 (SC) | |

NOTE: These courses must be completed with a grade of “C” or better.

Secondary Certification Majors (choose at least one)

- | | | |
|-------------|--------------------------------|-----------------------------|
| • Biology | • History | • Physical Education (K-12) |
| • Chemistry | • Integrated Science | • Political Science |
| • English | • Learning Disabilities (K-12) | • Social Studies |
| • French | • Mathematics | • Spanish (6-12 or K-12) |
| • German | • Music (K-12) | • Speech |

Secondary Certification Minors (choose at least one)

- Bilingual Spanish (K-12)
- Biology
- Chemistry
- English
- ESL - English as a Second Language (K-12)
- Geography
- History
- Mathematics
- Physical Education
- Physics
- Political Science
- Reading
- Speech

Major/Minor Notifications. As MDE certification requirements are subject to change, consult an education department advisor for the most current information on program completion and MDE certification requirements.

Bilingual Spanish K-12 minor (twenty-four (24) semester hours.

Required Courses:

- | | | |
|---------|---------|---------|
| — WL305 | — EN457 | — EN476 |
| — WL363 | — EN459 | — EN494 |
| — EN367 | — EN471 | |

- Endorsement candidates must receive a score of “advanced low” or better on the Oral Proficiency Interview (OPI) exam.
- Costs associated with required language proficiency exams will be the responsibility of the student.

Biology major/minor requirements

- Consult the Biology department for course and major/minor expectations. Students are encouraged to complete an Integrated Science major in conjunction with a Biology major/minor.

Chemistry major/minor requirements:

- Consult the Chemistry department for course and major/minor expectations. Students are encouraged to complete an Integrated Science major in conjunction with a Chemistry major/minor.

Early Childhood Education major – thirty seven (37) semester hours.

Required Courses:

- | | | |
|---------|---------|---------|
| — EN207 | — EN345 | — EN466 |
| — EN320 | — EN421 | — EN491 |
| — EN321 | — EN431 | — EN324 |
| — EN322 | — EN445 | |
| — EN327 | — EN461 | |

Early Childhood Education minor - twenty-five 25 semester hours.

Required Courses:

- | | | |
|---------|---------|---------|
| — EN320 | — EN345 | — EN445 |
| — EN321 | — EN421 | — EN491 |
| — EN322 | — EN431 | — EN324 |

- At least twelve (12) semester hours of the Early Childhood Education minor must be taken at Aquinas College.

English major/minor requirements:

- Consult the English department for course and major/minor expectations.

ESL-English as a Second Language minor (twenty-four (24) semester hours).

Required Courses:

- | | | |
|---------|---------|---------|
| — EN322 | — EN458 | — EN476 |
| — EN443 | — EN459 | — EN494 |
| — EN457 | — EN471 | |

French major requirements:

- Consult the World Languages department for course and major/minor expectations. In addition, education students must complete WL496 as their method elective.
- Endorsement candidates must receive a score of “advanced low” or better on the Oral Proficiency Interview (OPI) exam.
- Costs associated with required language proficiency exams will be the responsibility of the student.

Geography major/minor requirements:

- Consult the Geography department for course and major/minor expectations. In addition, education students must complete EN450 and GY300 as method electives. Geography major/minor must be completed in conjunction with a Social Studies major.

German major requirements:

- Consult the World Languages department for course and major/minor expectations. In addition, education students must complete WL496 as their method elective.
- Endorsement candidates must receive a score of “advanced low” or better on the Oral Proficiency Interview (OPI) exam.
- Costs associated with required language proficiency exams will be the responsibility of the student.

History major/minor requirements:

- Consult the History department for course and major/minor expectations. In addition, students must also complete EN450 as their method elective. Students are encouraged to complete a Social Studies major in conjunction with a History major/minor

Integrated Science major – Elementary: forty-four (44) semester hours

Required Courses:

- | | | |
|--------------|----------------------------|--------------|
| — BY123 (NL) | — CY111 (NL) or CY155 | — PC295 |
| — BY150 (NL) | — CY112 or CY156 | — GY101 (NL) |
| — BY171 | — PC201 (NL) or PC213 (NL) | — GY129 (NN) |
| — BY170 (NL) | — PC202 or PC214 | — EL100 (NN) |

Integrated Science major – Secondary: fifty-five (55) semester hours

Required Courses:

- | | | |
|----------|-------------------|-------------|
| — BY 170 | — CY112 | — PC 295 |
| — BY 171 | — CY211 | — GY 101 |
| — BY 352 | — CY 212 | — MS 151 |
| — BY 372 | — PC201 or PC213 | — EN 275 |
| — CY 111 | — PC 202 or PC214 | — BY/CY 270 |

Language Arts major thirty-six (36) semester hours

Required Courses:

— EH115 (AT)	— EH/EN400	— EH205 OR EH265
— EH230	— EN454	— CN101
— EH/EN382	— EN443	— EN476
— EH/EN388	— EN322	— EN463

Language Arts minor twenty-four (24) semester hours.

Required Courses:

— EH115 (AT)	— EH/EH388	— EN443
— EH230	— EH/EN400	— EN463
— EH/EN382	— EN454	

Learning Disabilities K-12 major thirty-six (36) semester hours.

Required Courses:

— EN466	— EN443	— EN445
— EN461	— EN454	— EN462
— EN444	— EN465	— EN470
— EN442	— EN464	— EN490

Mathematics major/minor requirements:

- Consult the Mathematics department for course and major/minor expectations. Secondary education students must complete MS375 as their method elective.

Music (K-12) major requirements:

- Consult both the Music department and the School of Education regarding course and program requirements.

Physical Education K-12 major/minor requirements:

- Consult both the Kinesiology department and the School of Education regarding course and program requirements.

Physics minor requirements:

- Consult the Physics department regarding course and minor expectations.

Political Science major/minor requirements:

- Consult the Political Science department for course and major/minor expectations. students must also complete EN450 as their method elective. Students are encouraged to complete a Social Studies major in conjunction with a Political Science major/minor

Reading Minor ELEMENTARY twenty-one (21) semester hours.

Required Courses:

— EN322	— EN465	— EN463
— EH/EN382	— EH454	
— EH/EN388	— EN443	

Reading Minor SECONDARY twenty-four (24) semester hours.

Required Courses:

- | | | |
|------------|---------|---------|
| — EN444 | — EN465 | — EN463 |
| — EN442 | — EN454 | |
| — EH/EN388 | — EN443 | |

Social Studies major - ELEMENTARY forty-nine (49) semester hours.

Required Courses:

- | | | |
|-------------------|---------------------|-------------------------------|
| — HY101 | — GY130 | — PS205 |
| — HY102 | — GY140 SS1/SS2, GP | — ES211 |
| — HY161 | — GY302 SS1/SS2 | — ES212 |
| — HY162 (GP) | — PS101 | — EN450 as a methods elective |
| — GY120 (GP) | — PS150 (GP) | |
| — One course from | | |
| - HY211 | - HY212 | - HY213 |
| — One course from | | |
| - HY221 | - HY260 | - HY303 |

Social Studies major - SECONDARY forty-six (46) semester hours): In addition to the following courses, students must complete a minor in either History, Geography, or Political Science.

Required Courses:

- | | | |
|--------------|----------|-------------------------------|
| — HY101 | — GY 130 | — PS 205 |
| — HY102 | — GY40 | — PS 321 |
| — HY161 | — GY302 | — ES211 |
| — HY162 (GP) | — PS101 | — ES212 |
| — GY120 (GP) | — PS 150 | — EN450 as a methods elective |

Spanish major requirements:

- In addition to the major course requirements listed by the World Languages department, education students must also complete WL496 as their method elective.
- Endorsement candidates must receive a score of “advanced low” or better on the Oral Proficiency Interview (OPI) exam.
- Costs associated with required language proficiency exams will be the responsibility of the student.

Speech minor requirements:

- Consult the Communications department for course and minor expectations.

NOTE: Michigan Department of Education regulations prohibit students from double counting coursework completed to meet major, minor or professional preparation requirements. Courses can sometimes be used, however, to meet general education requirements.

Course Descriptions:

EN130 EdTech: Technology Basics for Educators (2) Offered fall and spring semesters. This course covers important, foundational topics related to educational technology and exposes teachers and future teachers to some of the many resources available to support K-12 teaching and learning. An emphasis is placed on resources for Michigan educators. Conducted entirely online, this course provides participants with the opportunity to experience and reflect on what makes online learning effective. Course readings, discussions, and activities address meaningful technology integration, active learning with, collaborative applications assessment of student learning, and the legal, ethical, and social issues surrounding teacher and student use of technology. Prerequisite: none. This course is open to all students.

EN201 Introduction to Education (3) Offered fall and spring semesters. Students are required to work in a supervised K-12 school setting, assisting children and serving as a teacher aide 4-5 hours per week over the course of at least twelve (12) weeks of a semester. Students will also attend class twice a week during this semester, engaging in reading and writing assignments and class discussions. All field placement assignments for this class will be limited to public and private schools in Kent County school districts. Prerequisite: minimum 3.0 college G.P.A., passing competency exam scores, and School of Education approval. Supervision fee of \$125. Field component: forty (40) hours.

EN207 Human Growth and Schooling (3) Offered fall and spring semesters. The content of this course includes (a) theories of human development and learning according to, for example, Skinner, Piaget, Erikson, Kohlberg, Goleman, Vygotsky, and brain development theorists, (b) preliminary applications of these theories in human contexts, especially classrooms, (c) beginnings of strategies for classroom instruction based on these theories, and (d) parent involvement to promote student learning at home. Field component: Variable; minimum of two (2) class observations.

EN209 Foundations of Education (3) WI Offered fall and spring semesters. The important ideas and issues in America's schools today are the product of their past. This course will investigate these ideas and issues, particularly race, class, and gender relations in American society and their impact on public education. The course will begin with an overview of underlying philosophy systems, proceed through historical crises in American cities and schools, and consider current reform proposals and projects. Field component: one (1) class observation.

EN275 Science for Classroom Teachers (3) Offered spring semester. This is a course designed to strengthen competencies in the teaching of Science at elementary and middle school levels. This course will emphasize science content and best practices/strategies for the teaching of science. Learning in this course is constructive, inquiry-driven, and project based. Participants will work in small groups, perform investigations, discuss concepts and results, keep journals, and learn how to effectively utilize inexpensive, readily available materials and explore local resources. All course objectives are aligned with the Next Generation of Science Standards and the Michigan K - 12 Framework for Science Education. Prerequisite: EN201. Field component: six (6) hours of observation in elementary/middle school science classrooms.

EN290 Visual and Performing Arts for the Classroom Teacher (3) Offered fall and spring semesters. This unique course is designed for students seeking elementary teaching certification. Instruction will be delivered in a module format and cover four areas of visual and performing arts: art, music, dance, and theatre. Direct instruction in these areas will provide the foundation for a student led performance at the conclusion of the class. This performance will integrate all concepts taught and will ultimately provide students with a model that can be used in the elementary classroom. Prerequisite: EN201. Field component: three (3) hours.

EN/GY300 Geography in Education (3) Education method elective for elementary candidates and appropriate for secondary geography majors / minors. Designed to assist elementary and secondary teachers in procuring, analyzing, and organizing geographic materials into meaningful units of work consistent with contemporary objectives of geography. Prerequisite: EN201, GY120.

EN301 Assessing Student Learning (3) Offered fall and spring semesters. Learners will develop and defend a comprehensive assessment philosophy upon which all future assessment decisions and designs will depend. Students will include a critical analysis of assessment formats and relate each to their assessment philosophy for consistency. Students will critically analyze pencil and paper formats for assessment and design a fully developed authentic performance assessment complete with student directions and scoring rubrics as well as designing a proposal for a building or district wide portfolio assessment program. Learners will also produce an assessment plan for a specified unit of instruction and supply a thorough description of the grading policies they will incorporate in their assessment plan. Learners will be regularly assigned Reaction and Reflection papers (five per semester) will focus on the consistent use of assessments as learning and how assessments can be used as important teaching tools. Alignment between standards, instruction and assessment is also emphasized in Reflection paper responses. Learners also describe their beliefs about assessment, supply a list of the assessment formats they will use in their teaching and explain and defend how they will determine grades for students. They will also provide a model of how they will set up their grade books for recording the results of assessment and describe how they will maintain communication with stakeholders regarding student achievement. Field component: Required for individuals pursuing the Learning Disabilities Endorsement. Prerequisite: EN201.

EN320 Infant and Toddler Education (3) Offered fall semester. Restrictions: Early Childhood minors only. Not an education method elective. Infant and Toddler Education is an in-depth study of planning and providing developmentally

appropriate programs for infants and toddlers. The following issues are addressed: child development research for children from birth to age three; interactions between children and caregivers in a group setting; evaluation of learning materials; planning for emotional, social, intellectual and physical growth; communication between staff and parents; the environment as teacher; and licensing requirements. Emphasis is placed on relationships and the role of the family. Current issues in infant and toddler development with emphasis on brain development and infant mental health are explored. Active observation and participation in infant and toddler programs are required. Prerequisite: EN201, EN207, EN345. Field Component: twenty (20) hours of developmental study of young children in an accredited and constructivist infant/toddler setting.

EN321 Curriculum Development in Early Childhood Education (3) Offered fall semester. Curriculum Development in Early Childhood Education focuses on content and methods for planning and implementing developmentally appropriate and culturally relevant activities and environments designed to enhance children's physical, social emotional, language, cognitive, and aesthetic development; awareness of various forms of discrimination and identification of bias in materials; and application of methods that foster respect and appreciation for cultural and linguistic diversity. Inspired by the Reggio Emilia approach, an emergent negotiated curriculum process, promotion of meaningful family and community relationships and inclusion of children with special rights are addressed. Observation and participation in the field are required. Field Component: Observations in two (2) early childhood classroom. Prerequisites: EN201, EN207, EN345.

EN322 Emergent Literacy (3) Offered spring semesters. Restrictions: requirement for LD major, language arts, ESL and early childhood education endorsements. This course is not an education method elective. Foundations of language and literacy development beginning in infancy to grade 3, concluding with reading and writing activities with an emphasis on the "hundred languages of children"; special attention is given to symbolic representations, cultural differences and the learning environment. The importance of parental involvement, integrated and balanced curriculum in early childhood classroom is addressed. Prerequisite: EN201, EN207. Field component: twenty (20) hours in a literacy-rich environment.

EN 324 Current Issues in Early Childhood Education (1) This course will focus on the identification and analysis of current issues in the early childhood field. The analysis will include critical examination of efforts to deal with these issues. Knowledge gained through this course will help prepare teachers to manage these issues as well as any which arise in the context of the teaching profession. Every year this course will cover five current issues in early childhood education in the following: 1) research and theory regarding early care and learning environments for all children 2) family and community characteristics, 3) key public policy and its impact on young children and their families; 4) the new world of early childhood education, and 5) "New "Best practice" in meeting the special needs of young children. Prerequisite: All early childhood courses. Must be taken concurrently with EN491.

EN327 Assessment Technology in Early Childhood Education (3) Offered spring semesters. Required for early childhood education majors and minors. This course covers assessment theory and best practices and provides students the opportunity to practice conducting assessments and to develop action/lesson plans based on assessment data findings. Technology tools such as web-based, digital portfolios and Teaching Strategies Gold will be utilized to complete assignments. Intermediate spreadsheet and word processing skills are required. Prerequisite: EN201 or EN345.

EN330 EdTech: Integrating Technology into the Classroom (3) Education method elective for elementary and secondary candidates. This course, focused on integrating technology into K-12 classrooms, is offered in a fully online format. Topics include K-12 technology standards, technology-rich lesson planning, and the creation of online lessons. Education students taking this course benefit not only from the opportunity to explore current educational technology topics, but also experience online learning first-hand. The graduate research project provides an opportunity for teachers to research and apply current best-practices to their grade level and content area. Prerequisite: EN201.

EN331 EdTech: Web Authoring & Online Learning (3) Education method elective for elementary and secondary candidates. This course provides exposure to and practice with Internet tools and resources which support K-12 learning. Course activities develop participants' knowledge and understanding of pedagogical issues as they relate to teaching and learning in the online environment, and the development of quality online teaching and learning experiences. Topics covered include web authoring, online discussions, blogging, podcasting, chat rooms, and basic scripting. By the end of the course, students will create and teach an online lesson. Although basic computer skills and knowledge of the Internet are helpful, this course is appropriate for beginning to advanced Internet users. Prerequisite: EN201.

EN332 EdTech: MS Office in the Classroom (3) Education method elective for elementary and secondary candidates. Offered in a hybrid (blended) format, this course develops participants' personal knowledge and skills related to MS

Office productivity software (Word, PowerPoint, Excel, and Access). Project work addresses both teacher and student productivity, demonstrating how these tools can be used to enhance both teaching and learning. Topics covered include word processing, spreadsheets, presentation graphics, database reporting, and keyboarding tutorial software. Course activities focus on practical classroom applications such as photo seating charts, labels, signs, flashcards, timelines, conversion tables, charts/graphs, and interactive PowerPoint games. Prerequisite: EN201.

EN333 EdTech: Digital Multimedia (3) Education method elective for elementary and secondary candidates. This course, offered in a hybrid (blended) format, prepares teachers to use digital images in the classroom effectively. Through a combination of hands-on activities, instructor presentations, readings, and independent project work, participants will learn how digital images can be used to support both teaching and learning in K-12 classrooms. Topics covered include video and digital camera equipment, image editing, storyboarding, web publishing, and reflective documentation. Access to digital camera equipment is required. Please see Aquinas College Library Media Center if you do not have one. Prerequisite: EN201.

EN345 Foundations of Early Childhood Education (3) Offered fall semester. Foundations in Early Childhood Education provides an overview of historical, philosophical, psychological, educational, and contemporary influences on the field of early childhood education. Students explore a) historical antecedents and current research in early childhood education b) development of primary models of curriculum and pedagogy c) critical aspects of young children's development and the creation of learning opportunities in the classroom d) developmentally appropriate practice and its application across different developmental levels e) issues in developing and implementing high quality early childhood education including the importance of family, culture, and community e)needs of diverse learners f)the role of assessment in early learning; and g) approaches that support children's emotional and social well-being as essential components of the learning process. Field component: ten (10) hours observation. Prerequisites: EN201, EN207.

EN367 The Hispanic in the U.S. (3) Offered fall semester of even years only. Not an education method elective. The population of the United States is comprised of an increasingly diverse group of cultures. We cannot identify one distinctive "American culture." Instead we have a constantly changing, inclusive multicultural society that encompasses a diverse population related to all people and nations on the planet. This course is designed to present students with an understanding of the identity dynamics of the major Hispanic groups in U.S. history. Special attention is given to key geographical areas, immigration and demographics, process of acculturation and assimilation to mainstream society, the diversity within Latino ethnic and national communities in the U.S., Hispanic literary history and consciousness, biculturalism, the ramifications of the intersection of the different Hispanic cultures and the realities of the past and current presence of Hispanics in the U.S. as the first colonizers and special immigrants. Prerequisite: EN201. Field component: variable hours.

EN/EH382 Teaching Children's Literature (3) Offered spring semester. Required for elementary reading minor. Not an education method elective. This course presents a variety of literature and correlates texts with thought-provoking strategies to use in any classroom PreK - 12. Topics include the principles of text selection to build community, ways to motivate learners, build content knowledge, nurture response, promote inquiry, and spur writing in an effort to promote lifelong literacy. Prerequisite: EN201. Field component: one (1) read aloud in a classroom (daytime)

EN/EH388 Teaching Young Adult Literature (3) Offered fall semester. Required for elementary and secondary reading minors. Not an education method elective. This course will introduce students to significant young adult authors and their books and will introduce them to strategies for teaching literature to middle and high school students. In addition, techniques and principles in the selection, evaluation, and promotion of young adult literature will be discussed. This is a course that secondary English majors should take, and it would be helpful if students have fulfilled their Literary Studies requirement (either EH221 or EH222) before taking the course. Prerequisite: EN201. Field component: eight (8) hours (daytime).

EN/EH400 Teaching Writing (3) WI Offered fall semesters. Secondary English majors and minors are required to take either EN400 or EH400. These courses cannot be double counted to fulfill requirements for both English major/minor and Education. This course introduces students to current theories about the teaching of writing, gives them practice as writers of expressive and expository writing, and provides them with practical strategies for teaching writing as a process in secondary classrooms. Writing issues discussed include designing effective writing assignments, responding to student writing, prewriting and revision strategies, grammar and assessment. Prerequisite: EN201. Field component: variable hours tutoring at a self-selected grade level.

EN406 Application of Learning Theory (3) SC Restrictions: required with student teaching. This course intends to support student teachers while they apply learning and instructional theories to classroom practice during a semester of student teaching. Plan and collaboratively discuss challenges in student behavior management. Discussions will revolved around classroom

management, assessment, instruction, literacy, technology, special education, and diverse learners. Other topics will relate to current educational concepts in the context of working as a teacher. Prerequisites: SOE approval.

EN408 Curriculum for Secondary Education (3) Offered fall and spring semesters. This course explores curriculum theory and curriculum in endorsement areas. The implementation of curriculum will connect to the Universal Design for Learning (UDL), the Danielson Framework, assessments, classroom management practices, and Michigan secondary curriculum expectations (including graduation requirements, teacher contact hours, and professional development mandates). Students will understand current trends in the delivery methods for inclusion and differentiation (e.g., special education and English Language Learner). Learners will develop a 9-week curriculum map, including ten (10) ten days of detailed lesson design and appropriate assessments. Learners will perform/attend fifteen (15) hours of fieldwork in a variety of secondary classrooms. Prerequisite: EN201. Field component: fifteen (15) hours.

EN421 Early Childhood Administration (3) Offered spring semester. Restrictions: Early Childhood minors only. Not an education method elective. This course focuses on leadership, organizational issues and principles of early childhood program management with emphasis on collaborative systems of management. Planning developmentally appropriate environments, parent involvement, selecting and using authentic program assessment, documentation, advocacy, staff development, record keeping and finance management are also explored. Current issues, problems, staff and family relationship as it relate to running a quality program are addressed as well. Field component: ten (10) hours in a NAEYC Accredited setting Prerequisite: EN201, EN207, All ECE courses before EN491.

EN431 Exploring of the Reggio Emilia Approach (3) Offered fall semesters. Restrictions: required for early childhood minors. This course is an introduction and overview of the Reggio Emilia Approach that highlights fundamental principles regarding curriculum, child development, adult and child interactions, the environment as an educational value, and the theories and philosophy that are the foundation of this way of working. Discussion of these elements and how they may be used as a guide in exploring and adapting the Reggio Approach within the context of this culture are tied to state curriculum objectives for educators and other guidelines such as NAEYC for children. Prerequisite: EN201 and EN207. Field component: ten (10) hours.

EN440 Literacy III: Classroom Practice (3) Offered fall and spring semesters. This course provides an in-depth exploration of literacy instructional methods and materials across grade levels PK-5. Students will develop a standards-based unit of study in literacy, deepen their understanding of literacy assessment, participate in and analyze classroom literacy instruction, and review and evaluate literacy programs currently used in schools. Prerequisites: EN444, EN442; Field component: ten (10) hours.

EN441 Advanced Literacy Assessment and Intervention (3) Required for elementary and secondary reading minors and learning disabilities major. Education method elective for elementary certification. Strongly recommended for early childhood minor and language arts major/minor. This course presents an advanced understanding of literacy assessments and intervention. Emphasis is placed on informal and formal assessments, assessment procedures and analysis techniques, reading and language challenges, instructional goals based on assessment results, and appropriate instructional activities/interventions for struggling readers. Also, the concept of “Response to Intervention (RtI)” will be explored in depth, including its current contexts in classrooms, schools, and districts. Students will tutor a child during the course, developing an individualized and appropriate instructional plan based on a child’s learning needs, strengths, interests, and learning styles. Prerequisite: EN442; Field component: twenty (20) hours

EN442 Literacy II: Assessment (3) Offered fall and spring semesters. This course presents a comprehensive study of formal and informal literacy assessment measures with an emphasis on assessments used by classroom teachers and school-based literacy specialists. Students will use assessment results to plan for instruction and intervention of reading difficulties. Emphasis will be placed on assessment procedures and analytical techniques, developing literacy goals based on assessment results, and interventions for struggling readers/writers. Students will assess K-12 students and develop appropriate individualized instructional plans based on students’ strengths, challenges, and interests. Prerequisites: EN201 and EN444; Field component; ten (10) hours.

EN443 Literacy for the Linguistically and Culturally Diverse Learner (3) Offered fall and summer semesters. Required for language arts, learning disabilities, ESL and reading endorsements. Not an education method elective. This course is designed to present effective literacy instruction for linguistically, culturally, and socioeconomically diverse students. Topics explored will include matching students to books, academic vocabulary instruction, classroom management, and classroom learning environment. Students will work in a diverse classroom throughout the semester, observing for literacy practices and assisting students with reading and writing needs. Prerequisite: EN442. Field component: thirty (30) hours tutoring in school setting (daytime).

EN444 Literacy I: Foundations (3) Offered fall and spring semesters. This course provides a foundation in the key concepts and principles related to the development of literacy broadly understood as reading, writing, speaking, and listening. Students will read extensively across theories and practices associated with the teaching and learning of literacy, become familiar with the tools used in the field, and observe literacy instruction in practice. Prerequisite: EN201, may take concurrently with EN201. Field component: ten (10) hours.

EN445 Early Intervention (3) Offered spring semester. This course offers the candidate an opportunity to know about and to understand early childhood students who are at risk for development delays or with established conditions. An exploration of etiology and developmental characteristics of young children with exceptional needs frames the study. Candidates will gain a foundation upon which they can build the skills to understand, analyze and reflect upon best practices and use/apply sound professional strategies to assist young children. Emphasis shall be placed on the ability to instruct and adapt instruction for children at risk for optimal development. This course will also focus on the tools of assessment and methods of referral for young children with disabilities, with an emphasis on the goals and benefits of assessment. IFSP, IEP, early intervention and legal issues surrounding these topics will be featured. Prerequisite: EN320 or EN464. Field component: twenty (20) hours in an approved site.

EN450 Methods in Social Studies (3) Offered spring semester. Appropriate education method elective for secondary candidates with a major or minor in history, political science, geography or economics. Strategy for organizing and teaching Social Studies in a creative, challenging, and compassionate manner. Prerequisite: EN201.

EN453 Methods of Secondary Education (3) Offered fall and spring semesters. Not an education method elective. Study of approaches to secondary teaching; the adolescent phase of human development, listening, observing, and teaching skills. Students will create detailed lesson plans and implementation strategies. Field observations and microteaching in the subject area. Required for secondary certification. Prerequisite: EN201, EN408, EN454. Field component: 80-160 field work hours.

EN454 Content Area Literacy (3) Offered fall and spring semesters. Required for secondary certification. Education method elective for elementary certification, particularly candidates interested in teaching middle school. This course is the study of literacy in content material across the curriculum for students in grades 6–12. Strategies are presented that enhance student comprehension while reading, writing, listening, speaking, viewing, and doing an activity within a discipline. There is a fieldwork component, working with secondary students who need assistance in literacy strategies. In addition, Common Core State Standards will be incorporated into the study of content area literacy. Prerequisite: EN201. Field component: eighteen (18) hours.

EN455 Adolescent Literacy (3) Required for learning disability major and elementary and secondary reading minors. Not an education method elective. This course focuses on adolescent literacy, specifically the reading, writing, and thinking abilities of students in grades 6–12. Topics will include motivation, out-of-school literacy practices of adolescents, the influence of culture on adolescent learning, and strategies to work with adolescent learners, especially those who struggle with and/or are reluctant about reading and writing. In addition, Common Core State Standards will be incorporated into the study of adolescent literacy. Participants will reflect on their own experiences as adolescents, learn about ideas to motivate adolescents, review current research on adolescent literacy, and directly apply the course information in a tutoring situation with an adolescent. Prerequisite: EN442. Field component: eighteen (18) hours tutoring in Secondary Reading Clinic (during class time).

EN456 Multicultural Issues in Education (3) Multicultural Issues in Education provides a comprehensive overview of the theory and practice of multicultural education. Emphasis is given to valuing diversity, and applying multicultural anti-bias global perspectives. This course offers the opportunity for a lively discussion of controversial topics such as classicism, racism, sexism, and discrimination based on abilities, religion, language, and age. Prerequisite: EN201 or may take during the same semester as EN201. Field component: minimum of six (6) hours.

EN457 Introduction to Teaching English as a Second Language (ESL) (3) Required for all Bilingual Spanish and English as a Second Language minors. Appropriate education method elective for elementary and secondary candidates. Introduction to central ESL theories, terminology and teaching methodologies and strategies for those new to the field of ESL with an emphasis on specific issues concerning mainstream K-12 teachers working with English language learners. Links between theory and practice are made through a field component. Course participants with an interest in teaching English as a foreign language or teaching foreign languages are welcome and will be accommodated. Prerequisite: EN201. Field component: variable hours.

EN458 Advanced Methods and Materials of Teaching English as a Second Language (3) Offered fall semesters. Required for ESL minors. Not an education method elective. The course will have as its focus two important areas of English language teaching: materials and methodology. Students will evaluate various kinds of ESL instructional materials for English language learners and examine methods for teaching English to speakers of other languages. Emphasis is on teacher techniques and strategies for teaching the four skills, grammar, pronunciation and vocabulary. Prerequisite: EN457. Field component: variable hours.

EN459 Assessment and Evaluation in ESL (3) Offered spring semesters. Required for Bilingual Spanish and ESL minors. Not an education method elective. Geared to studying the processes for designing, analyzing and implementing assessment measures for English language learners with a focus on classroom-based evaluation and forms of authentic assessment. Links between assessment and instruction, examination of formal and informal types of formative and summative assessments and their value as feedback for teachers, parents and administrators are emphasized. Field component provides participants opportunity to investigate various aspects of assessment of professional interest. Prerequisite: EN457. Field component: variable hours

EN460 Teaching Creative Writing (3) Secondary English majors and minors are required to take either EH/EN400 or EH/EN460. These courses cannot be double counted to fulfill requirements for both English and education. This course is designed around the concept of “teacher as writer.” Students will develop writing portfolios of their own creative works to serve as models for their potential students. Students will develop and teach creative writing lessons in the field as well as in class. Prerequisite: EN201. Field component: one (1) hour.

EN461 Inclusion I (3) Offered fall and spring semesters. Inclusive education begins with the philosophy behind education and the emergence of an inclusive educational approach to students with disabilities in the general education classroom. Appropriate instructional objectives will be examined that fit children and adolescents in an inclusive educational setting. Adaptations to the general education curriculum will be assessed and matched with the academic, social/emotional, physical and behavioral needs of the child or adolescent. The maintenance of conditions and strategies for suitable instruction will be linked to the learning goals of the individual student. The ability of the general education teacher to function as a member of the IEP team will be stressed in light of other important relationships such as those with parents, paraeducators and other teachers. Prerequisite: EN201 or may take during the same semester as EN201. Field component: minimum of two (2) semester hours.

EN462 Special Education Curriculum and Methods (3) Offered spring semester. Required for the Learning Disabilities major. Not an education method elective. This course is designed to enhance students’ knowledge of currently used methods and curricula in special education settings. Students will develop IEP goals and plan instructional units based on assessment information. Emphasis will be placed on research-based teaching strategies, differentiated instruction, and Universal Design for Learning. Prerequisite: EN201, EN461, EN464. Field component: minimum ten (10) hours.

EN463 Reading Practicum (3) Offered fall and spring semesters. Required for elementary and secondary reading minors. Not an education method elective. This practicum provides supervised on-site experience applying the teaching and learning strategies, assessments and interventions in the area of reading education within a classroom and school. The student will be supervised on-site by a reading teacher, coach or specialist. The practicum may not be done concurrently with the directed student teaching placement. Prerequisite: EN201 and all reading requirements and/or instructor approval. Field component: 160 hours.

EN464 Learning Disabilities: Theory to Practice (3) Offered fall semester. Required for the Learning Disabilities major. Not an education method elective. This course is designed to provide students with knowledge of learning disabilities as related to historical foundations, legislation, causes, characteristics, identification, and service options. Students will also learn about instructional strategies and practices for students with reading, writing, and math disabilities. Prerequisite: EN201, EN461.

EN 465 Co-Teaching and Collaboration (3). This course examines the various models of co-teaching and collaboration used by special and general educators in the K-12 general education environment. It also provides instruction and experience in creating and differentiating curriculum utilizing a backwards-design model, and providing access to the general education curriculum. Finally the course examines multiple aspects of collaboration within special education including parents, paraprofessionals, and other school personnel.

EN 466 Classroom Management (3) Offered fall and spring semesters. This course is designed to provide teacher candidates with the tools, strategies, and theories to successfully manage K-12 classrooms. Participants will learn to create collaborative classroom communities that intertwine with effective teaching and academic success through course activities that are linked to observations in K-12 classrooms. Participants learn how to create both student-oriented conflict management systems based on concepts of social justice, and positive support plans for students with specific behavioral needs. Participants then connect concepts of effective, engaging lesson and curriculum planning to create a holistic successful classroom management philosophy. Prerequisite: EN201. Field Component: 15 hours

EN470 Special Education Assessment (3) Offered spring semester. Not an education method elective. This course provides an overview of the primary types of assessment used within special education for identification and ongoing monitoring. Emphasis will be placed on the use of data to make decisions pertaining to diagnosis of a Specific Learning Disability and goals for individualized education programs. Additional topics include: basic concepts of measurement, formal test administration, limitations in existing instruments ordinarily used in assessing exceptional children, use of accommodations for students with disabilities on both state and local assessments, ethical concerns related to assessment, and behavioral or academic observation. Prerequisite: EN464; Field component: five (5) hours.

EN471 Theories of Bilingual Education and Bilingualism (3) Offered spring semesters. Required for Bilingual Spanish and ESL minors. Not an education method elective. This is an introductory course to bilingual/multi-lingual and English language education with an emphasis on the theories and practices underpinning bilingual programs and the teaching of learning of English language learners. The course provides an overview of the field, including the main concepts of bilingualism, and different models of bilingual and ESL programs. A main component of the course will be to examine peoples' beliefs and experiences of becoming bilingual. Another component will center on specific educational issues that affect bilingual development in a school setting. The field experiences of this course will act as cohesive ties between what we explore, study and experiment with in course readings and discussions and the real world of bilingual/multilingual learners and teachers. Prerequisite: EN457; Field component: variable hours.

EN476 Second Language Acquisition (3) Offered spring semester. Required for ESL minors. Not an education method elective. This course is an introduction to the subject of second language acquisition and learning. The prime objective of the course is to help educators better understand how people learn (or don't learn) languages as well as to examine the complex issues surrounding SLA in educational contexts. The course provides participants with opportunities to analyze the processes of child and adult SLA, how they differ from L1 acquisition, and the implications of these theories for teaching and learning of second languages. Personal experiences with SLA and teaching second language learners will be utilized to tie together theory and practice. Field work and course texts will be used as a spring board for projects in which course participants will investigate a SLA topic that interests them and/or directly relates to their own classroom context. Prerequisites: EN457. Field component: variable hours

EN490 Learning Disabilities Practicum and Seminar (3) Required for the Learning Disabilities major. Not an education method elective. This course provides guided practice in special education settings working directly with students who have special needs. During the course of the practicum, the student will become more adept in the development and implementation of effective assessment and teaching strategies for students with learning disabilities and students who are at-risk. Each student is required to serve a minimum of 80 hours in a designated special education setting at either the elementary or secondary level. In addition, students will participate in seminar sessions which will be held throughout the semester. Prerequisite: EN201, EN461, EN462, EN464, EN470, Field component: minimum of eighty (80) hours.

EN491 Early Childhood Education Practicum (3) Required of all Early Childhood minor candidates. Not an education method elective. The Early Childhood Practicum is a (160 hours) supervised and evaluated teaching experience in a pre-primary setting. Principles of learning and interaction are practiced in a developmentally appropriate early childhood program. The practicum experience is designed to give students the opportunity to apply their knowledge and skill in working with young children at increasing levels of interaction. Students are responsible for a full range of teaching and caregiving duties including observing, documenting, assessing and planning for projects inspired by the interests and developmental level of the children, and in collaboration with other adults in the field setting. Prerequisite: EN201 and all

early childhood requirements must be completed before the student can be allowed to take this course. This course must be taken before Directed Student Teaching. Field component: 160 hours

EN494 Practicum ESL/Bilingual Education (3) Required of all Bilingual Spanish and ESL minors. Field placement in a Bilingual Spanish or ESL or classroom under the supervision of a certified Bilingual Spanish or ESL teacher. Prerequisite: All bilingual or ESL coursework. Field component: 160 hours in an approved site.

EN495 Directed Student Teaching, Elementary School (9) A minimum fourteen-week internship in a local elementary school under the direct supervision of an experienced certified teacher. Weekly seminars and weekly journal writing, assigned readings, full-time teaching. Prerequisite: Acceptance by screening committee of the School of Education prior to enrollment in course and school placement. Must enroll in EN406 concurrently.

EN498 Directed Student Teaching, Secondary School (9) A minimum fourteen-week internship in a local middle or secondary school under the direct supervision of an experienced certified teacher. Weekly seminars and weekly journal writing, assigned readings, full-time teaching. Prerequisite: Acceptance by screening committee of the School of Education prior to enrollment in course and school placement. Must enroll in EN406 concurrently.

EN/WL496 Foreign Language Teaching Methodology (3) Offered spring semesters. Restricted: Foreign language majors only. Required of all students seeking a Michigan teacher endorsement for teaching a foreign language. This is an education methodology course and does not count toward the foreign language major. Prerequisite: EN201, EN207; and proficiency of sixth semester in the language as determined by the world languages department.

MS260 Mathematics for Elementary and Middle School Teachers I (3) MS Required of all elementary candidates. Not an education method elective. Students must prove algebra proficiency by either passing an algebra test or have taken a college algebra class within the past three years and earned a grade of “C” or better. Topics appropriate for grades K-8 include measurement, geometry, logic, and graphing. Emphasis is on constructing understanding through experience: exploring, extrapolating and explaining concepts and relationships. Problem solving, both in groups and individually, is a major theme. Prerequisite: MS111 or equivalent; may be taken concurrently with EN201 or complete EN201 as a prerequisite. Field component: fifteen (15) hours.

MS261 Mathematics for Elementary and Middle School Teachers II (3) MS Required of all elementary candidates. Not an education method elective. Topics appropriate for grades K-8 include number patterns, number theory, algebra, probability and data analysis. Emphasis is on constructing understanding through experience: exploring, extrapolating and explaining concepts and relationships. Problem solving, both in groups and individually, is a major theme. Prerequisite: EN201, MS260. Field component: fifteen (15) hours.

MS271 Mathematics Methods for Elementary and Middle School Teachers (3) Required of all elementary candidates. Not an education method elective. Course expands on the content from MS260 and MS261, examines the ways children learn and fail to learn mathematics, and emphasizes strategies for teaching and designing lessons. New content focuses on concepts and operations of whole numbers, rational numbers and proportional reasoning. Tutoring and teaching field experience requirement included. Prerequisite: EN201, MS260, and MS261; Field component: fifteen (15) hours

MS375 Methods of Teaching Secondary Mathematics (3) Restrictions: secondary Mathematics major and minors only. Required by the Mathematics Department for anyone preparing to teach mathematics in grades 6 through 12. Provides a detailed examination of the pedagogy for teaching some specific areas of mathematics and of appropriate instructional strategies and techniques. Students will be required to design and teach a unit which exemplifies the above. Focus on individual learner. Prerequisite: EN201 or may take during same semester with EN201 with permission. Field component: 5–10 hours.

PI301 Conductive Education—Infant and Toddler (2) The purpose of this course is to develop an understanding of the ways in which Conductive Education targets the enablement and enhancement of the development of young children with cerebral palsy, with a particular focus on the development of play, communication and cooperation between parents and the educator. Field component. Prerequisite: PI208.

PI302 Conductive Education—School Age and Adolescents (2) This course is designed to deal with the characteristics, needs and interventions for the school aged/adolescent student with cerebral palsy or related neuromotor impairment. Content will focus on understanding and application to program design. Field component. Prerequisite: PI301.

PI304 Neuropathology (2) This course introduces future educators to the most important diseases and conditions where motor dysfunction is a leading symptom. Persons living with these diseases and conditions are candidates for the conductive education system and thus the future educator’s identity is also formed through this introduction. Students will

learn the forms of these illnesses and conditions and the limits of the conductive education method in these cases. The course builds upon the basic elements of neuroanatomy, neurophysiology and pathophysiology. A unified picture of the clinical patterns introduced as novelties on the basis of preliminary knowledge is given. Prerequisite: PI204.

PI305 Conductive Education Program Planning (2) This course is designed to prepare the student to establishing appropriate coordination, planning, organization and execution of the complex program for all aged clients. This includes the understanding of the integration and complexity of the conductive program. Field component. Prerequisite: PI102, PI104.

PI306 Speech Development for Special Populations (2) An understanding of the normal sequence of speech and language development and the effects of various disorders on this process will be developed. The course will include discussion of articulation, language, voice, fluency, pragmatic and auditory memory development and disorders. Intervention strategies that can be used to improve both verbal and non-verbal communication in special populations will be introduced through classroom activities and lab experience. Prerequisite: EN201.

PI401 Neuropsychology (1) This is a lecture course on selected topics on neuropsychology. This course offers theoretical and clinical summary regarding the most important normal and altered neuropsychological functions (various forms of cerebral palsy) and dysfunctions, i.e., handedness vs. chanced handedness in hemiplegics and in asymmetric tetraplegics. Prerequisite: PI202, PI203.

PI402 Comparative Studies of Rehabilitation Methods (2) This course familiarizes the student with the history and comparison of the therapeutic and rehabilitation possibilities offered to children with cerebral palsy. Special emphasis is on their applicability in the comparison to the conductive education system. Prerequisite: PI208, PI302, PI304, PI306.

PI404 Directed Student Teaching, POHI (6) This course is designed to prepare the student to establish appropriate coordination, planning, organization and execution of the complex program for all aged clients. This includes understanding of the integration and complexity of the Conductive Education program. Prerequisite: all POHI classes, EN495.

Engineering

Bachelor of Science in Engineering in Grand Rapids

Western Michigan University and Aquinas College have partnered to bring Western Michigan University's Civil and Industrial & Entrepreneurial Engineering degrees to Grand Rapids. Students graduating with this degree will receive an Associate of Arts degree from Aquinas College and a Bachelor of Science degree in Engineering from Western Michigan University. This unique partnership has been approved by the Accreditation Board for Engineering and Technology (ABET) and the North Central Association.

The curriculum is built upon a foundation of liberal arts and engineering sciences. Liberal arts/general education and pre-engineering courses will be taught by Aquinas College. Engineering courses will be taught by Western Michigan University faculty. Some WMU courses will be taught in Grand Rapids and others, primarily in the final three semesters, will be taught at the WMU Engineering campus in Kalamazoo.

WMU - AQ Engineering Partnership Civil Engineering Degree

Western Michigan University provides seventy-five (76) semester hours in all the engineering major courses. Aquinas provides sixty-one (60) semester hours in liberal arts and the science courses which have been approved by the Western Michigan University Curriculum Committee for support of the Engineering degree. Students graduate with a Bachelor of Science in Civil Engineering from Western Michigan University and an Associate of Arts from Aquinas. Students interested in the Engineering program will work with the Western Michigan University Engineering Program Coordinator on the Aquinas College campus.

The major requires eleven (11) semesters of study (including summers) with seven (7) semesters at Aquinas College and four (4) semesters at Western Michigan University in Kalamazoo. With summer work the degree can be completed in four years.

SAMPLE Four Year Curricular Plan

First Year - Fall Semester (16)

- MS 121 Calculus (4)
- CY 111/111L General Chemistry I (4)
- World Language I (Pick One) (4)
- GE 100 First Year Experience (1)
- GE 101 Inquiry and Expression (3)

First Year - Spring Semester (15)

- MS 122 Calculus II (4)
- PC 213/213L General Physics with Calculus (4)
- World Language II (Pick One) (4)
- EDMM 1420 Engineering Graphics (3) AP

Second Year - Fall Semester (15)

- MS 231 Multivariate Calculus (4)
- PC 214/214L General Physics with Calculus II (4)
- CS 180 Structure and Logic (4)
- ME 2560 Statics (3)

Second Year - Spring Semester (18)

- GE 203 Question Everything: Research as Inquiry (1)
- History/Philosophy Distribution (Pick One) (3)
- MS xxx Linear & Differential Equations (3)
- GEOS 1300 Physical Geology (4) SNL*
- IEE 2610 Engineering Statistics (3)
- ME 2570 Mechanics of Materials (3)

Second Year - Summer Semester (3)

- CCE 2360 Geomatics (3)

Third Year - Fall Semester (18)

- AT 150 or 151 History of Art & Architecture (3) AT
- Theology Distribution (Pick One) (3)
- ES 211 Microeconomics (3) SS1
- SY 213 Race and Ethnicity (3) SS2
- CCE 3360 Soil Mechanics (3)
- IEE 2050 Work Design (4)
- IEE 3100 Engineering Economy (3)

Third Year - Spring Semester (18)*

- CCE 3080 Civil & Construction Engineering Materials (3)
- CCE 3300 Transportation Engineering (3)
- CCE 3330 Codes, Specifications, & Contracts (3)
- CCE 3860 Structural Analysis (3)
- ME 2580 Dynamics (3)
- PHIL 3160 Engineering Ethics (3)

Third Year - Summer Semester (3)*

- ME 3560 Fluid Mechanics (3)

Fourth Year - Fall Semester (16)*

- CCE 4300 Traffic Design (3)
- CCE 4400 Introduction to Structural Design (3)
- CCE 4561 Foundation & Earth Retaining Structure Design (3)
- CCE 4830 Project Design & Control (1)
- Construction Engineering Elective (3)
- CHEG 2611 Environmental Engineering I (3)

Fourth Year - Spring Semester (12)*

- Structural Engineering Design Elective (3)
- CCE 4850 Senior Design Project (3)
- CCE Design Elective (3)
- CCE Design Elective (3)

Total semester hours: 136

Total Associate of Arts and science semester hours at AQ: 60

Total Engineering courses with WMU: 76

*At WMU-Kalamazoo

WMU - AQ Engineering Partnership Industrial and Entrepreneurial Engineering Degree

Western Michigan University provides seventy-five (78) semester hours in all the engineering major courses. Aquinas provides sixty-one (63) semester hours in liberal arts and the science courses which have been approved by the Western Michigan University Curriculum Committee for support of the Engineering degree. Students graduate with a Bachelor of Science in Engineering from Western Michigan University and an Associate of Arts from Aquinas. Students interested in the Engineering program will work with the Western Michigan University Engineering Program Coordinator on the Aquinas College campus.

The major requires ten (10) semesters of study with five (5) semesters at Aquinas College and five (5) semesters (including the summer between the junior and senior years) at Western Michigan University in Kalamazoo. With summer work the degree can be completed in four years.

SAMPLE Four Year Curricular Plan

First Year - Fall Semester (16)

- MS 121 Calculus (4)
- CY 111/111L General Chemistry I (4)
- World Language I (Pick One) (4)
- GE 100 First Year Experience (1)
- GE 101 Inquiry and Expression (3)

First Year - Spring Semester (15)

- MS 122 Calculus II (4)
- PC 213/213L General Physics with Calculus (4)
- World Language II (Pick One) (4)
- EDMM 1420 Engineering Graphics (3) AP

Second Year - Fall Semester (18)

- MS 231 Multivariate Calculus (4)
- PC 214/214L General Physics with Calculus II (4)
- CS 180 Structure and Logic (4)
- ME 2560 Statics (3)
- ES 211 Microeconomics (3) SS1

Second Year - Spring Semester (17)

- MS xxx Linear & Differential Equations (3)
- History/Philosophy Distribution (Pick One) (3)
- AT 150 or 151 History of Art & Architecture (3) AT
- GE 203 Question Everything: Research as Inquiry (1)
- IEE 2610 Engineering Statistics (3)
- ECE 2500 Digital Logic (3)

Third Year - Fall Semester (19)

- MS 493 Probability (3)
- SY 213 Race and Ethnicity (3) SS2
- Theology Distribution (Pick One) (3)
- IEE 2050 Work Design (4)
- IEE 3100 Engineering Economy (3)
- IEE 3010 Entrepreneurial Engineering (3)*

Third Year - Spring Semester (17)*

- IEE 3110 Intro to Operations Research (3)
- IEE 3300 Simulation Modeling Analysis (3)
- IEE 3420 Ergonomics and Design (3)
- IEE 2010 Entrepreneurial Engineering I (3)
- IEE 2622 Statistical Quality Control (2)
- PHIL 3160 Engineering Ethics (3)

Summer I (7)*

- ECE 2100 Circuit Analysis (4)
- IEE 3160 Report Preparation (3)

Summer II (3)

- IEE 2990 / International Studies (3)

Fourth Year - Fall Semester (14)*

- IEE 4010 Entrepreneurial Engineering III (3)
- IEE 4160 Operations Control in Industry (4)
- IEE 4190 IE Senior Design (1)
- Minor Elective (3)
- Minor Elective (3)

Fourth Year - Spring Semester (15)*

- IEE 4190 IE Senior Design (3)
- Approved Technical Elective (3)
- Minor Elective (3)
- Minor Elective (3)

Total semester hours: 141

Total Associate of Arts and science semester hours at AQ: 63

Total Engineering courses with WMU: 78

*At WMU-Kalamazoo

English

Gretchen Rumohr-Voskuil, Ph.D., Chair

Daniel Brooks, Ph.D.; Rebecca Coogan, Ph.D., Jennifer Dawson, Ph.D.; Michelle DeRose, Ph.D.; Vicki McMillan, M.A., M.F.A.

Mission Statement: Mission: The English Department serves the students, campus, and community through the study of literature, writing, language, and theory. The Department prepares students for graduate programs and for careers in fields such as teaching, journalism, advertising, public relations, law, business, library science, professional writing, and editing for publications.

We hope to provide students with a broad knowledge of the history and development of literature in English, as well as to develop their reading, writing, speaking, critical and analytical skills to prepare them for graduate studies and careers. We also hope to instill in students an appreciation for literature as a means of understanding human experience.

Student Learning Outcomes: Successful majors in the English Department will complete their education:

- with a broad and a detailed knowledge of the British and American literary traditions;
- with a facility with language that will enable them to express themselves effectively in persuasive, creative, and analytical modes of writing and speaking;
- with an ability in critical and analytical thinking that will prepare them for a variety of professional careers;
- with an ability to articulate an appreciation of literature as an art form.

NOTE: A student must earn at least a C (2.0) in a course in order to count it toward the major or minors.

NOTE: The state of Michigan does not consider writing a teachable major. English with Writing is not an option for students pursuing teacher certification.

All English majors must also assemble a portfolio of their work and submit it to the English Department for approval before graduation. Guidelines available from members of English Department or at the English Department website aquinas.edu/english.

English Department Minors

English Literature Minor

Minor Requirements: Eighteen (18) semester hours

Required Courses:

- EH221 (AT)
- Choose three (3) semester hours of a 200-level literature course
- Choose six (6) semester hours of 300- or 400-level literature courses
- Choose six (6) semester hours of literature related electives

NOTE: no more than one course at the 100-level is counted towards the minor. We recommend taking 200-level courses prior to 300-level courses.

NOTE: Those seeking teacher certification are required to use the English Teaching Minor (below).

Writing Minor

Minor Requirements: Eighteen (18) semester hours.

Required Courses:

- EH205 (AP, WI)
- EH210 (AP, WI)
- Choose three (3) semester hours from the following:
 - EH/BS106
 - CL300
 - EH230
 - EH291
 - EH265
 - EH240
- Choose six (6) semester hours of 300- or 400-level writing courses
- Choose three (3) semester hours of any literature elective

NOTE: 100 level courses do not count towards the minor. We recommend taking 200-level courses prior to 300-level courses.

English Teaching Minor

Minor Requirements: Twenty-one (21) semester hours

Required Courses:

- EH221 (AT)
- EH265
- EH400
- EH230
- EH388
- Choose six (6) semester hours of 200-, 300-, or 400- level literature courses. Must be one (1) American literature course and one (1) British literature course

NOTE: 100-level does not count toward the minor. We recommend taking 200-level courses prior to 300-level courses.

Course Descriptions:

EH100 Basic College Writing (3) A course in which students improve basic writing skills and processes. This course is designed to help students achieve success in GE101 (a required General Education course) as well as other college-level writing. Not to be taken concurrently with GE101. This course is not accepted for General Education credit.

EH/BS106 Business Communication (3) SS1, AP Introduces students to effective listening, writing, and presenting skills for business and other professional activities.

EH115 Understanding and Appreciating Literature (3) AT Students in this course will read a range of literature from the genres of fiction, poetry, creative nonfiction, and drama. A diversity of authors and time periods will be explored through the literature, arranged thematically or according to genre. Students will be introduced to those key craft elements of each genre, which makes the genre effective and unique, so that they can become more insightful about literature. Ultimately, the primary goal for students in this course is to understand and appreciate literature and perhaps, along the way fall in love with the work of a poet, a playwright, and a fiction and creative nonfiction writer.

EH205 Advanced Composition (3) AP, WI The writing of non-fictional prose. Not for first year students.

EH210 Creative Writing (3) AP, WI The writing of original poetry and/or short fiction based on the instructor's discretion.

EH212 World Literature in English (3) AT, GP A study of world authors who are not British or American but whose work is written in English. Authors covered may include writers from South Africa, Canada, India, the West Indies, Nigeria or other countries where English serves as a first or common language.

EH/TE217 Dramatic Literature (3) Study of the elements of drama through close readings of works from various ages and countries.

EH218 Modern and Contemporary Poetry (3) Study of representative poems by 20th-century and contemporary poetry.

EH220 Creative Writing II (3) AP The writing of original poetry, fiction, creative nonfiction, and scripts. Not for first year students. Prerequisite: EH210.

EH221 Introduction to Literary Studies (3) AT Principles of literary prose and verse; structures, techniques, and devices of various literary types. This course is required for English majors and minors.

EH225 Literature and Motion Pictures (3) AT Comparative study of fiction and drama, and the feature motion pictures inspired by them.

EH230 Grammar of Modern English (3) Analysis of the language through traditional, structural, and transformational grammar. This course is not accepted for General Education credit.

EH231 History of the English Language (3) AT Origin of the language and its development; exercises on vocabulary origin and semantic change and important dictionaries.

EH/AT240 Artists and Writers in Collaboration (3) AP A studio/writing workshop centered on collaborative production of art works and creative writing. Students are encouraged to register in collaborative pairs if possible. Prerequisites: for EH240, EH210; for AT240, one studio art class. For EH240 and AT240, junior or senior status or instructor permission.

EH247 Writing About Film and Drama (3) AP Variable content course focusing on writing reviews and scholarly essays in criticism about genres, recurrent themes, or major filmmakers/dramatists. Does not count toward the major or minor.

EH/WS255 Women Writers (3) Selected texts in English by female authors. Draws from all genres and periods.

EH260 Catholic Writers (3) AT This course explores fiction written by Catholic writers and analyzes and discusses how their faith manifests itself in their novels and short stories.

EH261 Irish Literary Heritage (3-4) AT Selected readings in Irish poetry, prose, and drama.

EH265 Writing Center Theory and Practice (3) AP, WI This course will utilize writing theory and technique to train students to be student consultants for the Aquinas College Writing Center. Specifically, the course will equip students to assist Writing Center visitors with key elements of the writing process, including but not limited to: idea generation, thesis development/topic focus, organization, revision, editing, grammar correction (usage and punctuation), discipline-specific documentation and formatting. Instructor permission required.

EH266 Studies in English Literature (3) AT Intensive study of literature to be determined by instructor. Credits may be earned under different specific titles.

EH273 Studies in American Literature (3) AT Intensive study of literature of 19th and 20th century America, to be determined by instructor. Credits may be earned under different specific titles.

- EH274 African-American Literature (3) AT** A study of the influences, major authors and developments in African-American literature.
- EH291 Introduction to Journalism (3) AP** Writing course focusing on basic practices and principles of modern newspaper reporting.
- EH292 Advanced Journalism (3) AP** Writing course focusing on special skills for writing features and editorials.
- EH293 Publication Practicum (1) AP** Writing, reporting and/or editing for campus newspaper. Prerequisite: Instructor approval.
- EH310 Special Topics in English (3) AP** Intensive study determined by instructor. Credits may be earned under different specific titles.
- EH348 Poetry Writing (3) AP** The writing of poetry and the study of its elements. Prerequisite: EH210.
- EH349 Fiction Writing (3) AP** The writing of fiction and the study of its elements. Prerequisite: EH210.
- EH350 Nonfiction Writing (3) AP** The writing of nonfiction such as the memoir, personal essay, literary journalism, and lyric essay. Prerequisite: EH210 or EH291.
- EH/TE352 Script Writing (3) AP** The writing of scripts for the stage and/or screen and the study of the elements of script writing. Prerequisite: EH210.
- EH355 The Novel (3) AT** The evolution of the novel in English from its origins to the present, using representative works from British and/or American writing.
- EH361 Early British Literature (3)** Major literary productions from Beowulf (8th century) through the 16th century. Old and Middle English texts, with exception of Chaucer, studied in translation. Prerequisite: EH221 with a grade of C or higher. This course is not accepted for General Education credit.
- EH362 British Literature: 17th and 18th Centuries (3)** Introduction to literature of the English 17th and 18th centuries. Prerequisite: EH221 with a grade of C or higher. This course is not accepted for General Education credit.
- EH364 British Literature: 19th Century (3)** Study of representative poetry, prose, and drama from the Victorian Age to World War I. Prerequisite: EH221 with a grade of C or higher. This course is not accepted for General Education credit.
- EH365 20th Century British and Irish Literature (3)** Selected readings from English and Irish poetry, drama, and prose from beginning of the 20th century to present. Prerequisite: EH221 with a grade of C or higher. This course is not accepted for General Education credit.
- EH370 American Literature I: Colonial through Early Federal Period (3)** A survey of American writing from the first European colonization of North America through the first fifty years of the American federation. Prerequisite: EH221 with a grade of C or higher. This course is not accepted for General Education credit.
- EH371 American Literature II: 19th and Early 20th Centuries (3)** Survey of major fiction and poetry in America written during the American Renaissance and up to the First World War era. Prerequisite: EH221 with a grade of C or higher. This course is not accepted for General Education credit.
- EH372 American Literature III: 20th Century (3)** Study of representative examples of American literature since World War I era. Prerequisite: EH221 with a grade of C or higher. This course is not accepted for General Education credit.
- EH/EN388 Teaching Young Adult Literature (3)** Required for elementary and secondary reading minors. Not an education method elective. This course will introduce students to significant young adult authors and their books and will introduce them to strategies for teaching literature to middle and high school students. In addition, techniques and principles in the selection, evaluation, and promotion of young adult literature will be discussed. This is a course that secondary English majors should take, and it would be helpful if students have fulfilled their Literary Studies requirement (either EH221 or EH222) before taking the course. Field component: none. Prerequisite: EN201; cumulative grade point average of 2.5 This course is not accepted for General Education credit.
- EH395 Studies in Diversity (3) AT/AP** Intensive study of literary topics and/or authors determined by instructor. Credits may be earned under different specific titles.
- EH397 Field Experience/Internship in Journalism (Variable) AP**

EH398 Readings in Literature (Variable) AT Individually negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

EH399 Independent Project (Variable) Individually negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

EH/EN400 Teaching Writing (3) WI Offered fall and spring semesters. Secondary English majors and minors are required to take either EN400 or EH400. These courses cannot be double counted to fulfill requirements for both English major/minor and Education. Required for secondary reading minor. Education method elective for secondary certification and language arts major, particularly candidates interested in teaching middle school. This course introduces students to current theories about the teaching of writing, gives them practice as writers of expressive and expository writing, and provides them with practical strategies for teaching writing as a process in secondary classrooms. Writing issues discussed include designing effective writing assignments, responding to student writing, prewriting strategies, grammar and writing, literature and writing, grading, and assessment. Field component: variable hours tutoring at Aquinas College or in middle or high school classroom (variable times). Prerequisite: EN201; cumulative grade point average of 2.5 This course is not accepted for General Education credit.

EH401 Major Authors Seminar (3) SC Intensive study of one or more authors, to be determined by the instructor. Credits may be earned under different seminar titles. English majors only. Prerequisite: EH221 with a grade of C or higher. This course is not accepted for General Education credit.

EH450 Literary Theory (3) SC A study of selected major critical writings and application of principles to literary texts. Prerequisite: At least nine (9) semester hours of literature courses and EH221 with a grade of C or higher. This course is not accepted for General Education credit.

Environmental Studies

Richard E. McCluskey, Ph.D., Chairperson

Mary Clinthorne, Ph.D., James Rasmussen, Ph.D.; Deborah Steketee, Ph.D.

Mission Statement: The mission of the Geography and Environmental Studies Department at Aquinas College is to provide students with knowledge of geography and environmental studies befitting their goals: for the general education students that they understand basic tenets of physical geography, human geography, and /or environmental studies; for the education certification students that they obtain the content knowledge necessary for their teaching careers; and for the geography and environmental studies majors that they possess the knowledge and skills necessary for the to succeed in their post-baccalaureate careers.

Degree Granted: Bachelor of Science (BS)

Environmental Studies Major

The major consists of the Environmental Studies Core courses (28 credits) and at least one of four (Ecology, Chemistry, Earth Sciences, or Sustainability and Policy) concentrations. Any remaining credit hours (i.e. less than 52) will be filled by elective courses. Any 200-level (or above) course listed within the major may be counted as an elective.

Major Requirements: Fifty-two (52) semester hours. Grade of C or higher required in each course to be applied to the major.

Required Courses:

Environmental Studies Core:

- EL100
- EL499
- GY101
- At least two (2) courses from the following:
 - EH310*
 - HY240**
 - PH238
- EL301
- CS152
- MS151 OR MS252
- TY255
- WS260
- EL490
- ES211

* *the course only counts toward the major when approved by the EL Chair*

** *the course may only be counted once toward the EL major*

In addition to the core requirements (above), choose at least one (1) of the four (4) concentrations listed below:

Ecology Concentration Required Courses:

- BY170
- BY171
- BY352
- And at least three (3) courses from the following:
 - BY231
 - BY275
 - BY241
 - GY360
 - BY264

Chemistry Concentration Required Courses:

- CY111
- CY212
- CY112
- CY215
- CY211
- CY346

Earth Science Concentration Required Courses:

- GY320
- GY340
- GY385
- And at least three (3) courses from the following:
 - GY280
 - GY370
 - GY360
 - GY352
 - GY350

Sustainability and Policy Concentration Required Courses:

- BY123 OR CY101
- EL346
- ES300
- And at least four (4) courses from the following
 - CL209
 - ES212
 - PS345
 - GY370
 - PS340
 - SB202
 - SB100
 - SB200
 - SB315
 - GY212

Course Descriptions:

EL100 Introduction to Environmental Studies (3) NN Introduction to principles of environmental relations and processes; survey of environmental literature.

EL301 Advanced Environmental Studies (3) In depth examination of toxins and waste, natural systems and services, biodiversity, energy issues, climate change, and environmental policy Prerequisite: EL100 or BY123. This course is not accepted for Social Science or Natural World General Education credit.

EL310 Special Topics in Environmental Studies (3) Variable topics in environmental studies offered on an occasional basis. This course is not accepted for Social Science or Natural World General Education credit.

EL/PS/SB346 SS1/SS2 Environmental Policy and Politics: Issues & Approaches (3) Introduction to environmental policy as a focus of public policy. The forces and frameworks shaping environmental policy as well as the influence of various actors will be examined through analysis of key environmental issues. PS 101 or EL100; or instructor permission. EL346 is not accepted for Social Science or Natural World General Education credit.

EL395 Field Experience in Environmental Studies (Variable) Field-based program established by contract between instructor and student. Subject to availability. Prerequisite: approval of coordinator required.

EL398 Readings in Environmental Studies (Variable) Individually-negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of coordinator.

EL399 Independent Project in Environmental Studies (Variable) Individually-negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of coordinator.

EL490 Advanced Techniques and Topics (4) Theory and application of specific techniques in research; collection and analysis of data; specific topics vary with instructors. Prerequisites: GY101 and GY120 or SY103. This course is not accepted for Social Science or Natural World General Education credit.

EL499 Environmental Studies Capstone Research Seminar (1) SC This is a research seminar where students implement the skills obtained during their study of Geography at Aquinas College. This course involved the implementation of research methods and techniques appropriate to each student's self-defined project. Introduction and application of skills necessary for successful written and oral presentation of geographical environmental research are included. The course is focused upon a sizeable student-defined research project that culminates in the presentation of their work and a written thesis. Prerequisite: GY/EL490. This course is not accepted for Social Science or Natural World General Education credit.

Geography

Richard E. McCluskey, Ph.D., Chairperson
Mary Clinthorne, Ph.D., James Rasmussen, Ph.D.

Mission Statement. The mission of the Geography and Environmental Studies Department at Aquinas College is to provide students with knowledge of geography and environmental studies befitting their goals: for the general education students that they understand basic tenets of physical geography, human geography, and/or environmental studies; for the education certification students that they obtain the content knowledge necessary for their teaching careers; and for the geography and environmental studies majors that they possess the knowledge and skills necessary for them to succeed in their post-baccalaureate careers.

Those wishing to earn a Bachelor of Science (BS) degree should concentrate on the natural science courses offered in geography and enroll in appropriate physics, chemistry, or biology courses as well.

Those pursuing a Bachelor of Arts (BA) degree should concentrate on the social science courses offered in geography and enroll in appropriate sociology, history, economics, and political science courses as well.

Geography Major

Major Requirements: Thirty-two (32) semester hours. Grade of C or higher required in each course. Minimum of 18 credit hours must be completed at Aquinas.

Required Courses:

- | | | |
|---|----------------|---------------|
| — GY101 (4) NL | — GY385 (4) | — MS151(3) or |
| — GY120 (4) GP | — GY490(4) or | MS252 (3) |
| — GY140 (3) GP | GY491 (3) | |
| — GY320 (4) | — GY499 (1) SC | |
| — Electives (remaining semester hours): | | |
| - at least one must be systematic (GY212, 264, 340, 350, 352, 360, 370) | | |
| - at least one must be regional (GY129, 130, 302, 328) | | |

Students must obtain a grade of “C” or higher if they want to count the class toward a geography major or minor.

Any student majoring in Geography must complete a minimum of eighteen (18) semester hours in geography at Aquinas College.

Concentration in Geospatial Technologies

This concentration is designed for students within the Geography Major who have a strong interest in developing geospatial technology skills.

Concentration Requirements: Fifteen (15) semester hours

Required Courses:

- | | |
|-------------|-------------|
| — GY280 (3) | — GY385 (4) |
| — GY320 (4) | — GY340 (4) |

Geography Minor

Minor Requirements: Twenty-four (24) semester hours of geography courses

Required Courses:

- GY101 (4) NL
- GY120 (4) GP
- GY320 (4)

Students must obtain a grade of “C” or higher if they want to count the class toward a geography major or minor.

Course Descriptions:

GY101 Earth Environments (4) NL Natural elements of environment and effects on humans: seasons, radiation, wind, moisture, climate, as well as landforms resulting from running water, ice, gravity, marine activities, and tectonic processes. Three (3) hours lecture, two (2) hours lab (GY101L).

GY120 Human Geography (4) SS1/SS2, GP The geographic subfield of Human Geography discusses and interprets the role of human beings as they are distributed across the surface of the earth. This is a far-ranging field of inquiry that incorporates information from the traditional social scientific realms of economics, sociology, political science, and anthropology into a spatial analysis of the world around us. Given the nature of the topic, this course will be introductory in nature and examine the breadth of cultural geographic thought.

GY129 Physical Geography of Michigan (3) NN Detailed analysis of the physical characteristics of Michigan; emphasis on weather, land forms, geology, and environmental problems. Special Note: Not open to students with GY130 credit.

GY130 Geography of Michigan (3) SS1/SS2 Analysis of physical and cultural environments of this politically defined area; emphasis on weather, climate, land forms, political, social, and economic features. Special Note: Not open to students with GY129 credit.

GY140 World Regional Geography (3) SS1/SS2, GP An introduction to human and physical geography by use of the world regional approach. Fundamental geographic concepts and ideas (regional economic development, global systems, spatial diffusion) are presented in different regional contexts.

GY212 Urban Geography (4) SS1/SS2 Urban environment and landscape from a human perspective: the city as an economic environment, as a cultural place, as a political entity, policies and planning.

GY220 Advanced Physical Geography: Earth Environments (4) In-depth study of selected topics introduced in GY101; emphasis on contemporary environmental situation. Four (4) hours lecture each week, scheduled field trips. Prerequisite: GY101. This course is not accepted for Social Science or Natural World General Education credit.

GY221 Advanced Cultural Geography: Contemporary Environments (4) Analysis of cultural geographic relationships in selected major world regions; cultural processes, land-use patterns, and environmental interactions; American, European, and non-Western examples. Prerequisite: GY120. This course is not accepted for Social Science or Natural World General Education credit.

GY264 Economic Geography (3) SS1/SS2 Spatial distribution of economic features as they affect production, exchange, and consumption of goods and services: emphasis on locational theory regarding manufacturing and retail service centers.

GY270 Geographical Perspectives on Agriculture and Food Production (3) SS1/SS2 Agriculture and food production, origins, evolution, and current patterns. Ecological analysis of traditional and modern agriculture and patterns of development in the U.S. and Developing World.

GY280 Geospatial Analysis (3) SS1/SS2 Fundamental skills in a variety of geospatial data collection and analysis technologies, including GPS and web-based mapping and GIS analysis, to investigate geographic patterns and questions. Two (2) hours lecture and two (2) hours lab (GY280L).

GY302 Geography of U.S./Canada (3) SS1/SS2 Study of United States and Canada considering regional differences in physical environment, resource base, population characteristics, and settlement patterns; emphasis on human response to environment. Prerequisite: GY120.

GY310 Special Topics in Geography (3) Variable topic in geography offered on an occasional basis. This course is not accepted for Social Science or Natural World General Education credit.

GY313 Advanced Urban Geography (Variable) For those students who wish to further pursue topics discussed in GY212 as well as research areas of specific interest. Prerequisite: GY212. This course is not accepted for Social Science or Natural World General Education credit.

GY320 Cartography: Map Making and Interpretation (4) Cartographic design with emphasis on developing ability to communicate through maps and graphs; some computer graphics. Three (3) hours lecture, two (2) hours lab (GY320L). This course is not accepted for Social Science or Natural World General Education credit.

GY321 Advanced Cartography (Variable) Advancing and refining skills acquired in GY320. Students develop areas of particular interest, expand their skills in the area of computer graphics. Prerequisite: GY320. This course is not accepted for Social Science or Natural World General Education credit.

GY328 Field Experience in Geography (3) A field experience with emphasis on the physical, cultural, economic, political, aspects of the area. Students can repeat the course if a new area is selected. Prerequisite: Instructor approval. This course is not accepted for Social Science or Natural World General Education credit.

GY340 Remote Sensing (4) Fundamental skills in visual image interpretation, photogrammetry, and computer processing of digital aerial and satellite imagery. Three (3) hours lecture, two (2) hours lab (GY340L). Prerequisite: GY101 or GY120. This course is not accepted for Social Science or Natural World General Education credit.

GY350 Climatology/Meteorology (4) Weather elements and introduction to world climatic characteristics and locations; applied climatology. Prerequisite: GY101 or instructor approval. This course is not accepted for Social Science or Natural World General Education credit.

GY351 Advanced Climatology/Meteorology (Variable) Advanced study of materials introduced in GY350. Students are encouraged to research topics of special interest. Prerequisite: GY350 or instructor approval. This course is not accepted for Social Science or Natural World General Education credit.

GY352 Geomorphology (3) The study of landform evolution through an analysis of natural and anthropogenic processes. Included in the analysis are glacial, fluvial, Aeolian, tectonic, and volcanic activities. Prerequisite: GY101. This course is not accepted for Social Science or Natural World General Education credit.

GY360 Biogeography (3) Biogeography is the study of species and how they are arranged upon the landscape. It explores both the distribution of plants and animals on the earth as well as the ecological processes that underlay those arrangements. This course is not accepted for Social Science or Natural World General Education credit.

GY370 Geography of Water Resources (3) The Geography of Water Resources is a course that looks at the nature and distribution of the water resources that our society depends upon. A sizeable portion of the course will detail the characteristics of the different sources of water as well as the myriad environmental and legal problems that arise from our usage of this resource. Prerequisite: GY101 or instructor approval. This course is not accepted for Social Science or Natural World General Education credit.

GY385 Geographic Information Systems - GIS (4) Geographic Information System fundamentals and theory are presented in a lecture format. Lab work focuses on applying GIS strategies and other geographic tools, such as aerial photo interpretation, spatial modeling, and spatial analysis to examine a variety of physical geography and human geography problems. Three (3) hours lecture, two (2) hours lab (GY385L). Prerequisite: GY320 and CS152. This course is not accepted for Social Science or Natural World General Education credit.

GY398 Readings in Geography (Variable) Individually negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the coordinator. This course is not accepted for Social Science or Natural World General Education credit.

GY399 Independent Project (Variable) Individually negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the coordinator. This course is not accepted for Social Science or Natural World General Education credit.

GY413 Urban and Regional Planning (3) Planning practices for urban areas; emphasis on urban growth, land use, and urban problems. This course is not accepted for Social Science or Natural World General Education credit.

GY490 Advanced Techniques and Topics (4) Theory and application of specific techniques in research; collection and analysis of data; specific topics vary with instructors. Prerequisites: GY101 and GY120. This course is not accepted for Social Science or Natural World General Education credit.

GY491 Seminar: Readings in the Development of Geographic Thought (3) Survey of the literature dealing with history, philosophy, and structure of geography; emphasis on important people in geography, topics of interest to geographers and research in the disciplines. This course is not accepted for Social Science or Natural World General Education credit.

GY499 Geography Capstone Research Seminar (1) SC This is a research seminar where students implement the skills obtained during their study of Geography at Aquinas College. This course involved the implementation of research

methods and techniques appropriate to each student's self-defined project. Introduction and application of skills necessary for successful written and oral presentation of geographical environmental research are included. The course is focused upon a sizeable student-defined research project that culminates in the presentation of their work and a written thesis. Prerequisite: GY/EL490. This course is not accepted for Social Science or Natural World General Education credit.

History

John C. Pinheiro, Ph.D., Chair

Jason K. Duncan, Ph.D., Charles D. Gunnoe, Jr., Ph.D.; Bethany Kilcrease, Ph.D.

Mission Statement. History is the foundation of a liberal arts education. The study of the past fosters knowledge of those virtues most necessary to the maintenance of democratic society. History provides an appreciation of the long struggle to achieve a social order and the need for vigilance to preserve it. By studying history we deepen our understanding of the human person and our world's cultural variety, thus illuminating the relationship between individual and community.

The department of history seeks to develop students' general knowledge and analytical abilities, enhance their understanding of our contemporary socio-political situation, and refine their research and writing skills. The department aims for these outcomes through a varied curriculum, independent study, and internships that provide field experience. Rooted in the Catholic intellectual tradition, history classes are conducted as part of a search for Truth.

Student Learning Outcomes. Successful majors in history will complete their education with:

1. A broad knowledge of World, European, and American history.
2. A facility with language that will enable them to express themselves effectively in narrative and analytical modes of writing.
3. Critical thinking skills honed by historical analysis that will transfer to other disciplines and professions.
4. The ability to classify and assess different types of historical literature.
5. A clear understanding of the role of interpretation in history and familiarity with the Western tradition of historical interpretation.
6. Refined research skills, including making use of library resources and primary texts, integrating secondary and primary sources as part of original research, and properly citing sources in footnotes or endnotes.

Degree Granted: Bachelor of Arts (B.A.)

History Major

Major Requirements: Thirty-three (33) semester hours

Required Courses:

— HY101 or HY102

— HY161 or HY162 (GP)

— At least one non-Western History course chosen from the following:

- HY221

- HY271

- HY230

- HY230

- HY221

- HY271

— At least one European History course chosen from the following:

- HY250

- HY270

- HY322

- HY382 WI

- HY260

- HY277

- HY371

- HY384

- HY263

- HY280

- HY381 WI

- HY267

- HY316

- At least one American History course chosen from the following:

- HY211	- HY214	- HY218	- HY311
- HY212	- HY215	- HY240	- HY316
- HY213	- HY216	- HY309	- HY317
- HY357 Historiography
- HY401 Senior Research Seminar (3) SC
- History Electives - twelve (12) semester hours

Any student majoring in History must complete a minimum of eighteen (18) hours in history at Aquinas College.

History Minor

Minor Requirements: Twenty-four (24) semester hours

Required Courses:

- HY101 or HY102
- HY161 or HY162 (GP)
- At least one non-Western History course chosen from the following:

- HY221	- HY271	- HY304
- HY230	- HY303	- HY312
- History Electives (15 semester hours)

Any student pursuing a minor in History must complete a minimum of twelve (12) hours in History at Aquinas College.

A student must earn a grade of C- or better in all history classes for the credits to count toward the History major or minor.

History Major seeking Teacher Certification

Requirements for a History Major seeking Teacher Certification: Thirty-three (33) semester hours.

Required courses:

- HY101 and HY102 American History
- HY161 and HY162 (GP) World History
- At least one non-Western History course from the following:

- HY221	- HY271	- HY304
- HY230	- HY303	- HY312
- At least one European History course chosen from the following:

- HY250	- HY267	- HY322	- HY382 WI
- HY260	- HY270	- HY371	- HY384
- HY263	- HY316	- HY381 WI	
- HY357 Historiography
- HY401 Senior Research Seminar (3) SC
- History Electives (9 semester hours)
- In addition, teacher candidates will need to complete EN450 Methods of Teaching Social Studies.

Required classes outside of the department (credits do not apply toward the fulfillment of the HY major):

- PS101
- ES212
- GY101 (NL)
- GY120 (GP)

relationships among the diverse peoples of America, the causes, events, ideas, main developments of the American Revolution from 1763-1789.

HY212 The Early American Republic, 1789-1850 (3) HP Development of the United States from the end of the American Revolution to the middle of the nineteenth century. Special topics include the emergence of political parties, the Second Great Awakening, the expansion of slavery and opposition to it, the Mexican War and the growing divide between North and South.

HY213 The Civil War and Reconstruction 1850-1877 (3) HP Military, social and political history of the United States in the era of the Civil War and Reconstruction.

HY214 Gilded Age and Progressive Era (3) HP Survey of United States social and political history from the end of Reconstruction in 1877 to 1920. Special topics include Gilded Age politics, gender relations during the Victorian era, the Woman Suffrage movement, the social and political movements of the Progressive era, and challenges to free speech during World War I.

HY 215 The Modern United States: 1920-1960 (3) HP Comprehensive history of the United States covering the social and cultural changes of the Roaring twenties, the Great Depression of the 1930s, the U.S. in World War II, its emergence as a world power in the postwar era, and the coming of the Cold War.

HY216 United States since 1960 (3) HP Special topics include the Civil Rights Movement and the social changes of the 1960s, the Vietnam War, the Watergate crisis and the cultural liberalism of the 1970s, the conservative resurgence of the 1980s, the ending of the Cold War and post-Cold War America of the 1990s and the challenges of the new millennium.

HY218 African American History (3) HP A survey of the history of African Americans in the United States with an emphasis on African contributions to American culture, the nature and effects of slavery, and leaders in the struggle for justice and equality.

HY/WS309 Women in American History (3) A social historical introduction to history from a feminist perspective focusing on women's lived experience in the United States from the colonial era to the present. Topics include American Colonial women, Native American women, the impact of slavery on all American women, nineteenth and twentieth century social movements (Suffrage, Temperance, Social Reform, Women's Liberation, Equal Rights Amendment, etc.) and women's legal issues. This course is not accepted for the General Education Humanities requirement.

HY311 American Catholic History (3) Development of the Catholic Church from immigrant status to major denomination within the pluralist context of American society.

HY317 The United States in Vietnam (3) United States involvement in the Vietnam War through successive applications of the containment policy from Truman to Nixon.

III. European History Course Descriptions

HY250 Russian History (3) HP A general overview of Russian history, beginning with its origins in 9th century Kiev. Other topics include Russia under the Mongols, the rise of Muscovy, the expansion and expansion of the Russian Empire, the establishment and collapse of the Soviet Union, and post-Soviet Russia.

HY260 Ancient History (3) HP An investigation of the political, social, and cultural history of Greece and Rome from the Late Bronze Age until the fall of the Roman Empire. Topics covered include the emergence of city-states, the golden age of the fifth century, the Peloponnesian Wars, Alexander the Great, evolution of Roman government, the Punic Wars, the Civil Wars, the Pax Romana, the rise of Christianity, and the decline of the Western Empire.

HY263 The Middle Ages (3) HP A survey of European political, social, and intellectual history from ca. 450 to 1450. Major themes covered include the relationship of church and state, scholasticism, gender roles, feudalism, and the religious and intellectual diversity of the Middle Ages.

HY267 Early Modern Europe (3) HP A survey of European history from the Renaissance to the French Revolution. Major topics covered include the Reformation, early modern social life, the Scientific Revolution, the English Civil War, Absolutism, and the Enlightenment.

HY270 Modern Europe (3) HP A survey of European history from the French Revolution 1789 to the present. Major themes include the revolutionary and Napoleonic era, nineteenth-century ideologies, industrialization, imperialism,

modernism, the women's movement, World War I, totalitarianism, World War II, the Cold War, the European Union, Decolonization, and the collapse of the Soviet bloc.

HY277 History of Christianity (3) HP An investigation of the history of the Christian Church from its origins in the first century to modern times. The class focuses on the Western Catholic Church in the ancient, medieval, and early modern periods.

HY280 History of Science and Medicine (3) HP This class offers a contextual survey of the history of science and medicine in the west from classical antiquity into the mid twentieth century. Major topics covered include origins of science in antiquity, the Thomistic synthesis, the Scientific Revolution, the Chemical Revolution, the birth of modern medicine, Natural History and the theory of evolution, and modern physics & astronomy. The course is a vehicle for the integration of science and humanities, especially the question of the historical interaction of the scientific and philosophical/religious mentalities.

HY316 History of War (3) This is a variable topics course that will explore the history of different wars. Possible topics include, but are not limited to, the history of the Mexican-American War, the Boer War, WWI, and WWII.

HY322 Modern Germany (3) Survey of German History in the nineteenth and twentieth centuries. Topics covered include the end of the old regime, German unification, the German Empire, World War I, the Weimar Republic, the Third Reich, World War II, postwar Germany, and reunification.

HY371 Europe Since 1945 (3) Special topics include consolidation of the eastern bloc, the Cold War, the Marshall Plan and economic recovery of Europe, the trauma of de-colonization, collapse of the Soviet system, and movements toward a European union.

HY381 British History I (3) WI Survey of British history from the Stone Age until the Glorious Revolution of 1688-89. This course emphasizes the medieval and early-modern periods. Topics covered include the relationships among the three nations of England, Scotland, and Ireland, the development of English constitutionalism, religious conflict and Reformation(s), the origins of the British Empire overseas, and the foundations of British economic and political dominance in the 19th century.

HY382 British History II (3) WI Survey of British history from the Glorious Revolution of 1688-89 until the present day. This course emphasizes the nineteenth and twentieth centuries. Topics covered include the strengthening and devolution of political ties among England, Wales, Scotland, and Ireland, the development of Parliamentary democracy in the United Kingdom, Victorian social and intellectual life, the rise and fall of the British Empire, the historiographical problem of secularization, the development of a socialist Labour Party and the invention of New Labour, and Britain's role in two World Wars.

HY384 Irish History (3) A study of the Celtic, Christian, continental, and British influences in the development of Ireland. Semester-in-Ireland participants only.

IV. World History

HY221 History of Asia (3) HP This course examines the cultural, economic, political, and religious development of East Asian civilizations from ancient times until today, with an emphasis on China, Korea, and Japan. Throughout the semester we will examine the ways in which patterns of East Asian political systems, cultural values, religions and social structures developed during the modern era. We will also explore each country's distinct identity, the modernization process, and the fate of traditional institutions, systems, and customs.

HY230 Latin American History (3) HP A study of the history and culture of Latin America from the first European contact to the present. Special emphasis is placed on Latin American relations with the United States.

HY271 The Middle East (3) HP Political, cultural, and economic development from ancient times to the present. Special topics include Islam, the Ottoman Empire, Zionism, the Arab-Israeli dispute, the Palestinians, and oil.

HY303 The History of China (3) A study of the cultural, political, and economic development of China with emphasis on the 19th and 20th centuries. Special topics include Confucianism, Daoism, Buddhism, European imperialism, the Communist Revolution, and U.S.-China relations.

HY304 History of Japan (3) A study of the cultural and political development of Japan from ancient times to the present. Special topics include Buddhism, Shinto, the Samurai code, the Shogunate, the modernization of Japan, and U.S. - Japan relations.

HY312 Special Topics in World History (3) Special topics in world history offered on an occasional basis.

V. Historical Literature and Methodology

HY240 Environmental History (US or Global) (3) An introductory historical survey of the interaction of humans with the environment focusing primarily on the post-Columbian period. The class will engage the influence of the natural environment on history (including climate, plants, animals, and microorganisms) as well as the impact of humans on the natural world. Topics will include pre- and post-Columbian ecological impacts, increasing environmental challenges of industrial and agricultural modernization, and the origins of the contemporary and environmental crisis.

HY310 Special Topics in History (3) Special topics in history offered on an occasional basis.

HY357 Historiography (3) An introduction to the history of historical writing with emphasis on major schools of interpretation in history. This course is not accepted for the General Education Humanities requirement.

HY397 Field Experience in History (Variable) Up to three semester hours of credit may be earned through an internship or experience in a field directly related to history. Terms of the internship will be negotiated between the major advisor and the student. Prerequisite: approval of the department chairperson. This course is not accepted for the General Education Humanities requirement.

HY399 Independent Study and/or Readings (Variable) Individually negotiated research project of defined nature established by contract between the instructor and student. Contracts are filed with the Registrar. Prerequisite: approval of the department chairperson. This course is not accepted for the General Education Humanities requirement.

HY401 Senior Research Seminar (3) SC Senior-level research seminar on selected problems in American, European or world history. The seminar is designed with the intention of cultivating and demonstrating skills in historical research, critical analysis, communication, and presentations. The chief product of the class will be a major research paper based on primary sources that displays awareness of the tradition of historical interpretation in its subject. This course is the history major capstone and therefore all students are required to complete it prior to graduation. Students may take the seminar more than once as long as the topic varies. Prerequisites: At least two history courses (including one from the 200 or 300 level) or the approval of the instructor. All non-majors must seek instructor approval before enrolling. This course is not accepted for the General Education Humanities requirement.

Interdisciplinary Courses

The Interdisciplinary category refers to courses whose content reflects knowledge integration that spans a broad range of disciplines. These courses represent areas of skill level, knowledge and values that are integrated throughout an Aquinas College liberal arts education

General Education and Humanities

Course Descriptions

GE100 First Year Experience: College in the 21st Century (1) An introduction to the liberal arts designed to provide students with tools to make sense of their college experience and to be successful students. It does this by cultivating an understanding of the evolving role of higher education in society and providing an opportunity to think about the nature of learning and practice the tools of learning (such as reading, writing, studying, and reflecting).

GE101 Inquiry and Expression (3) An integrated collegiate skills course that introduces students to academic discourse, including writing, reading, research, oral communication, and critical thinking. Library and electronic research skills are directly applied as students conclude the course with a research paper. Students must successfully complete this course with a minimum of a C- or better.

GE170 Foundations (3) Required for Continuing Education Students who enter Aquinas without an Associates degree. Introduces continuing education students to undergraduate academic literacy skills: critical thinking, reading, writing,

speaking, listening, and researching. These literacy skills will be developed through assignments that explore students' identities as individuals, members of the Aquinas and Grand Rapids communities, and as citizens of the United States.

GE203 Question Everything: Research as Inquiry (1) A required one credit course for second-year students which focuses on intermediate research skills. The purpose of this class is to develop students' abilities to critically think about and effectively use information in their college coursework and beyond. Students must successfully complete this course with a minimum of a C- .

GE401 Interdisciplinary Senior Capstone (3) SC The study of selected major monuments in literature, art, music, and film from the turn of the 20th century to the present (other disciplines such as psychology, philosophy, etc. could be included depending on the interests and expertise of the instructor). This course also requires an advanced undergraduate level project that incorporates research, writing, and presentation components.

HS201 Humanities (3) A study of the development of cultures and civilizations from ancient Egypt through the Middle Ages with selected works of literature, art, philosophy, and history. Attention to ideas and values as they emerge throughout the Western World.

HS202 Humanities (3) A study of the development of cultures and civilizations from the Renaissance through the end of the 19th century with selected works of literature, art, music, and history. Attention to ideas and values as they emerge throughout the Western World. Prerequisite: HS201

Interdisciplinary Courses

Student Development Course Descriptions:

SD101 Achieving Academic Success (1) The focus for this class is for students to recognize their responsibilities as a student, to successfully assimilate into the college community, to discover their own learning preferences and how to utilize their learning style; acquire, practice, and integrate time management, goal setting, reading and memory strategies; discover study strategies and test-taking techniques; and to learn how to maintain physical and mental health in the college environment.

Advantage Center

Career Development Course Descriptions

CD100 Career and Self Awareness CD (1) Theoretical and practical study that assists students with identifying their skills, interests, abilities, goals, and values as they relate to careers. With this information, students explore disciplines that may be a good fit. Students write a resume, discuss employment trends, learn interviewing techniques, and plan for internships and/or study abroad opportunities. Prerequisites: GE100. Must be taken during first year.

CD210 Life and Career Planning (3) This course is specifically designed for returning adults who want a theoretical and practical study of the career planning process applied to their interests, abilities, goals, academic discipline, and fields of interest. Focus is on self- assessment, development of a career and life plan, and creation of a resume, cover letter, and portfolio. Students will participate in a mock interview and become familiar with current employment trends and organizational environments.

CD401 Decision Making and Implementation (1) This course is designed to assist students in making the transition from college to the world-of-work, service, self-employment or graduate school. Students will prepare an individualized career action plan which will include setting goals, finalizing career options, research employment/graduate school opportunities, networking, resume and cover letter writing, portfolio development, interviewing, budgeting, and professional etiquette. This course should be taken late junior/early senior year.

FE 397 (3-12) Internships offer students an experience related to their career goals while building important skills. Internships completed for academic credit must be approved by the Internship Director, student's academic advisor, and if completed for credit within a major or minor, the Department Chair. Internships for credit are subject to tuition fees. Internships can be paid or unpaid. Students may complete up to 12 credits of internship while at Aquinas College. Make an appointment online at aquinas.joinhandshake.com and click on Career Center or call [\(616\) 632-2126](tel:6166322126).

Study Away Course Descriptions

AT384 Art and Architecture Abroad (3) An intensive seminar (quad format) in the art history of a region outside the United States that includes a travel abroad component (past courses have gone to Paris and London). Prerequisites: AT150, AT151, AT130.

AT382 Cityscape Drawing Abroad (3) Introduction to visual thinking and process in art through a studio art experience in drawing, specifically as it applies to the art and architecture of a major art center in Europe. The structure of the course combines an eight (8) week study period on the Aquinas campus during the 4th quad with a three (3) week intensive study, travel, and drawing experience in Europe. Prerequisites: AT130, AT150, AT151, or instructor approval.

CL395 Ireland Community Aides Internship (3) SS1 For four decades, Aquinas College has been providing students study abroad opportunities in Tully Cross, Ireland to connect with its history, culture, landscape, and most importantly, its people. Modeled on the highly successful “Teacher’s Aide” Internship, this course provides students with the opportunity to spend fifty (50) hours working as interns for key community development and human services programs in the Renvyle Peninsula community. The community internships provide students with the opportunities to learn about rural community development and, through partnering with local non-profit groups, students gain meaningful experiential knowledge about how community leadership has revitalized this rural and traditionally under-served region. Students interview for positions and work with community leaders to find suitable placements. In addition to serving as interns, students report their experiences back to an Ireland Program Director for formal evaluation.

SB330 International Perspectives in Sustainable Business (3) GP This course examines the deployment of sustainable business practices around the world. Class discussions, lectures and assignments will explore the variety of sustainable business models and practices which may be found in differently developing countries and regions, as well as introduce the complexities of a practicing sustainable business in a globalizing world. Students will be challenged to analyze the significance of cultural, political, and socioeconomic contexts in designing products, processes, and business strategies and models which will further sustainable business criteria. Each semester, a particular region/country receives more intense examination, culminating with a ten-twelve day field visit to that region/country immediately following the end of the semester. The required field component for the course takes place in various locations throughout the regions/country. To participate in this required field component, students must complete the required forms and submit payments according to the dates outlined in the “Study Abroad for International Perspectives in Sustainable Business” contract and other materials posted for this field component on Course Connect. Prerequisites: SB100 and SB315 or consent of instructor. This course is not accepted for the Social Science Distribution requirement.

WL302 Spanish Conversation (On AQ Campus) (3) A course designed to integrate the four basic language skills: speaking, listening, writing and reading. The main focus of this course is based on controlled conversations correlated with readings, reports, debates, discussions and presentations. Topics include, among others, language, politics, national and personal identities, diversity issues, foreigners, minorities, the educational system, religion, and gender issues. This course may be repeated if taken abroad and on campus. Prerequisite: C or higher in WL202 or equivalent.

WL311 Conversation and Composition (In Spain) (3) A course designed to integrate the four basic language skills: speaking, listening, writing and reading. The main focus of this course is based on controlled conversations correlated with readings, reports, debates, discussions and presentations. Topics include, among others, language, politics, national and personal identities, diversity issues, foreigners, minorities, the educational system, religion, and gender issues. This course may be repeated if taken abroad and on campus. Prerequisite: C or higher in WL301 or equivalent.

WL312 Conversation and Composition (In Costa Rica) (3) A course designed to integrate the four basic language skills: speaking, listening, writing and reading. The main focus of this course is based on controlled conversations correlated with readings, reports, debates, discussions and presentations. Topics include, among others, language, politics, national and personal identities, diversity issues, foreigners, minorities, the educational system, religion, and gender issues. This course may be repeated if taken abroad and on campus. Prerequisite: C or higher in WL301 or equivalent.

WL430 Service Learning Abroad (3) This interdisciplinary course prepares students for their experience abroad. The academic preparation helps us understand concepts of service and social justice. We analyze art, socio-political movements, and history regarding the people we will encounter. Students will write their journal entries and essays in the target language. Pre-rec is WL301. This course includes a mandatory two-week travel component and student course fee.

WL499 Study Abroad (Variable) Prerequisite: A Spanish major or minor.

WL499 Study Abroad (Variable) Prerequisite: A French major or minor.

WL499 Study Abroad (Variable) Prerequisite: A German major or minor.

WL499 Study Abroad (Variable) Prerequisite: A Japanese minor.

Insignis Program

The following courses are open to Insignis Program members only:

- IN350 Insignis Interdisciplinary Seminar (3 credits)
- IN398 Insignis Independent Project (3–6 credits)
- IN400 Insignis Undergraduate Assistantship (3–6 credits)

Completion of honors work in twenty-four (24) semester hours, including IN350 and a senior project or Undergraduate Assistantship are necessary to fulfill requirements of the Insignis Program. Non-Insignis students may be admitted to honors sections of Insignis general education courses by permission of the instructor. For further information contact the Insignis Program co-director, Dr. Michelle DeRose, at derosmic@aquinas.edu.

International Studies

Roger Durham, Ph.D., Program Coordinator

Degree Granted: Bachelor of Arts (BA)

International Studies Major

Major Requirements: Thirty-five (35) semester hours with no more than twelve (12) hours taken in one department.

Required Courses:

- | | | |
|---------------|--------------|--|
| — Choose one: | — PS387 (WI) | — IS400 Senior Capstone Seminar |
| - PS332 | — PS388 | — HY162 (GP) |
| - PS333 | — ES211 | — Fifteen (15) semester hours of electives (see below) |
| - PS334 | — ES342 | |
| - PS335 | | |

Minimum G.P.A. of 2.0 (C) required in core courses. Language level of 301 or higher must be completed.

The remaining fifteen (15) semester hours of elective coursework to complete the major may be taken from the departmental entries below. Additional course may be approved for electives by the Program Coordinator.

Business and Economics Courses:

- | | |
|----------------|----------------|
| - BS315 (3) GP | - ES435 (3) |
| - ES212 (3) | - ES492 (3) WI |
| - ES313 (3) GP | |

English Courses:

- | | |
|--------------------|--------------------|
| - EH211 (3) AT, GP | - EH212 (3) AT, GP |
|--------------------|--------------------|

World Language Course:

- WL230 (3)

Geography Courses:

- | | |
|----------------|-------------------------------|
| - GY120 (4) GP | - GY310 (3) (with permission) |
| - GY140 (3) GP | - GY370 (3) |

History Courses:

- | | | |
|----------------|-------------|---------------------------|
| - HY161 (3) HP | - HY270 (3) | - HY312 (with permission) |
| - HY221 (3) | - HY271 (3) | - HY316 (3) |
| - HY230 (3) | - HY303 (3) | - HY322 (3) |
| - HY250 (3) | - HY304 (3) | - HY371 (3) |

International Studies Courses: (negotiated credits)

- | | | |
|---------|---------|---------|
| - IS397 | - IS398 | - IS399 |
|---------|---------|---------|

Political Science Courses:

- | | | |
|----------------|---------------------|---------------------|
| - PS150 (3) GP | - PS332 (3) | - PS335 (3) SS1/SS2 |
| - PS/PH312 (3) | - PS333 (3) | - PS390 (3) |
| - PS331 (3) | - PS334 (3) SS1/SS2 | - PS391 (3) |

Sociology Courses:

- | | | |
|----------------|-------------------|----------------|
| - SY103 (3) GP | - SY/WS207 (3) GP | - SY/WS315 (3) |
|----------------|-------------------|----------------|

Irish Studies

Michelle DeRose, Ph.D., Program Coordinator

This 21-semester hour interdisciplinary minor is designed to offer comprehensive understanding of Irish culture in both historical and contemporary contexts.

Students who complete the Irish Studies minor will demonstrate or attain

1. Basic understanding of Irish culture as evolving expressions of Irish identities
2. Grasp of Irish history, including literary history
3. Basic understanding of social and political issues operant in Ireland today and in an international context
4. Cross-disciplinary training
5. Research, study abroad, and/or internship experience
6. An academic preparation adequate to pursue Irish Studies at the graduate level

Irish Studies Minor

Minor Requirements: Twenty-one (21) semester hours

Required Courses:

- EH261 (AT) (3-4)
- HY384 (3-4)
- At least one course from a discipline other than English and History selected from the list below (*indicates the course counts only when approved by the coordinator. Additional courses may be approved for electives by the coordinator)
- Research, internship, or study abroad, fulfilled either by participation in the Ireland program or upon completion of IR398 (Readings) or IR399 (Project) approved by the coordinator.

Irish Studies Electives: All semester hours taken in Ireland on the Aquinas Ireland Program

- | | | |
|-------------------|----------------|----------------|
| - CA310* (3) | - ES398* (1-3) | - HY381 (3) |
| - EH212*(3) AT,GP | - ES435 (3) | - HY382 (3) WI |
| - EH310* (3) AP | - GY120 (4) GP | - KN181 |
| - EH365 (3) | - HY310* (3) | - IR 220 (3) |
| - EH395* (3) (AT) | - HY311 (3) | - IS397* (1-3) |
| - EH401* (3) SC | - HY312* (3) | - KN110* (1) |

- KN181 (1)
- KN310* (3)
- PS310* (3)
- TY215* (3)
- TY310* (3)

Course Descriptions:

IR220 History of Irish Sports (3) This course will explore the history of sports in Ireland and its role in Irish culture from Tailteann Games to present day.

IR240 Contemporary Social Issues in Ireland (4) SS1/SS2 This course introduces students to current events and social issues that impact the lives of the Irish today. Special attention is paid to those issues with current topical or local relevance. Course formats include: reading, lecture, discussion, research (interview/observation/analysis), film and guest expertise. Excursions to pertinent sites as selected by the instructor are also included. Topics include: identity, religion, nationalism, heritage, tourism, development, family, gender, education, and health. (Offered in Ireland)

IR260 Irish Culture and Identity (4) AT This course introduces students to various ways Irish identity has been expressed in selected aspects of Irish culture, particularly folk culture and traditions, and how what it means to be Irish changes over time and across various groups. Special emphasis will be paid to the flowering of cultural and national identity as expressed in culture from the late 19th century to today. Excursions to pertinent sites as selected by the instructor are also included. (Offered in Ireland)

IR310 Special Topics in Irish Studies (4) Intensive study of Irish topic to be determined by instructor. Credits may be earned under different specific titles. Travel in Ireland to sites selected by instructor is required. This course is not accepted for general education credit.

IR 398 Readings in Irish Studies (variable) Individually negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of director. This course is not accepted for general education credit.

IR 399 Independent Project (variable) Individually negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. This course is not accepted for general education credit.

Journalism

Daniel J. Brooks, Ph.D., Coordinator

Journalism/Publications Minor

Minor Requirements: Twenty-two (22) semester hours in at least three (3) different disciplines from courses listed below

Required Courses:

- EH291 (3) AP
- EH292 (3) AP
- EH293 (1)
- EH397 (Variable) OR EH399 (Variable)
- Electives (remaining hours)

There is also a residency requirement of at least twelve (12) semester hours (excluding any field experience credit) that must be completed at Aquinas College.

Remaining elective courses to be chosen from the following:

- AT212 (3) AP
- BS202 (3)
- BS311 (3)
- BS357 (3) WI
- CN101 (3)
- CN185 (3)
- CN285 (3)
- CN302 (3) WI
- EH350 (3) AP
- EH397 (Variable) AP
- EH399 (Variable)
- PS101 (3)
- PS150 (3) GP
- PS203 (3)
- PS260 (3)

Up to six (6) semester hours of credit may be earned through an internship or field experience that is approved by the coordinator and directly related to journalism and/or publications. Prerequisite: approval of the coordinator

Course descriptions are found under departmental entries in this catalog.

Kinesiology

Deborah Springer, M.A., AT, ATC, Chairperson

Duane Ambrose, Ed.D.; JoAnne Gorant, Ph.D., AT, ATC;

Mission Statement The mission of the Kinesiology Department, in support of the mission of Aquinas College and grounded in the liberal arts tradition, is to prepare each student for a career that promotes movement, activity, and lifelong learning, and the role these factors play in the development of a whole person.

The department offers a physical education teaching major with K-12 certification, a Bachelor of Science in Athletic Training, a major in Exercise Science and a major in Business Administration/ Sport Management. The department also offers a teaching minor in secondary physical education and health, and non-teaching minors in Allied Health and Sports Science, Athletic Coaching, Recreation, and Exercise Science. Eligibility requirements for directed teaching or internship may be obtained from the department's coordinator of each program. At least eighteen (18) hours in the major and nine (9) hours in the minor must be taken at Aquinas College.

With the exception of the Athletic Training majors, students are required to maintain a 3.0 G.P.A. in their major with a minimum requirement of C- (or C for education majors) in any required course in the major. Specific grade requirements are listed on the advising sheet for the Athletic Training major courses. No more than three (3) courses in the major and two (2) courses in the minor may be taken as independent study. Upon successful completion of requirements, students receive a Bachelor of Science or a Bachelor of Science in Athletic Training degree.

Kinesiology Majors

The Athletic Training Program: *The Athletic Training Program is no longer accepting freshman students into the AT program.*

The Athletic Training program (ATP) is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). CAATE is located at 6850 Austin Center Blvd., Suite 100, Austin TX 78731-3184. Major Requirements Sixty-two (62) semester hours and the senior clinical experience (KN440)

Required courses:

- KN149
- KN158
- KN200
- KN249
- KN250
- KN251
- KN256
- KN257
- KN349A
- KN349B
- KN350
- KN354
- KN356
- KN357 (WI)
- KN360
- KN365
- KN366
- KN367
- KN440
- KN449
- KN460
- BY155 (NL)
- BY156
- PG100
- PG202

Completion of clinical proficiencies. See the Program Director for further details.

Required prerequisites and course sequencing. Due to the progressive nature in educating a student in the Athletic Training profession, it is imperative for a successful student in this program to adhere to the sequence of courses. A student may not enroll in a course without the required prerequisite. See course descriptions for applicable prerequisites and the AT web page for the current course sequencing.

As part of this program, students are required to complete 800 clinical hours under the direct supervision of a qualified allied health professional. Of those 800 clinical hours, a minimum of 200 clinical hours must be completed in an equipment intensive sport. Students will be rotated through a variety of different clinical settings including but not limited to the following: men's and women's individual sports, men's and women's team sports, clinical work (such as a hospital or rehabilitation clinic), and work in a high school, college or professional sport setting. In addition to the course work, students will be required to demonstrate their proficiency in the clinical skills needed for an entry-level Athletic Trainer to complete the major requirements.

Mission Statement. The mission of the Athletic Training program at Aquinas College is to develop, through a planned curriculum of instructional and clinical components, qualified health care professionals. Aquinas College is dedicated to providing an educational experience which prepares athletic training students to sit for the Board of Certification exam, provide patient centered care based on evidence and confidently enter the profession of athletic training with a focus on leadership and service to others.

Goals and Objectives. The goals and objectives of the Athletic Training program are to:

- Incorporate in the student's educational experience, through a logical chain of progression, the skills and knowledge needed for an entry level Athletic Trainer. The dissemination of this knowledge is practiced through formal instruction, laboratory and clinical experiences.
- Clinical education which follows a logical progression and strives to hone critical thinking and clinical decision making skills as well as justification skills utilizing an evidenced based practice approach.
- Provide the students with a qualified and experienced faculty, clinical (preceptor) and administrative team.
- Impart to the student skills that will enable the athletic training student (ATS) to react in a meaningful manner to a patient's emotional and psychological response to an injury.
- Impart to the students a sense of professionalism and instill in the ATS the NATA Code of Ethics and the importance of adhering to the code.
- Assist the student in pursuing the most effective manner of relating and communicating with patients, coaches, parents, and fellow health care professionals.
- Introduce students to activities which promote lifelong learning, an interest in research as well as promotion and service to the profession of athletic training.

Student Learning Outcomes.

- Attain a passing score on the athletic training BOC (Board of Certification Examination).
- Employ the skills in which they have been found to be proficient in the prevention, examination, diagnosis, management and rehabilitation of injuries of the physically active individual.
- Utilize evidence based practice by:
 - the selection of effective clinical practice skills.
 - reflecting on tools used to examine the quality of patient care.
- Observe the NATA Code of Ethics, the BOC Standards of Professional Practice, any State laws governing the practice of athletic training, and all Integrity statements of any institution.

Retention Requirements. *The Athletic Training Program is no longer accepting freshman students into the AT program.* Current students must maintain the following requirements:

1. Maintain an overall G.P.A. of 2.5
2. Complete directed observation hours in the Aquinas College athletic training facility.
3. A minimum grade of "B" (not B-) in KN158 Health Education - First Aid
4. Copy of current Emergency Medical Response first aid and Professional Rescuer CPR cards.

Additional Costs. Each of the clinical classes has a lab fee (\$35) (KN149, KN249, KN349A, KN349B, KN449, KN460) attached that will be used to pay for any drug tests or background checks that are required by the

clinical site and also for the renewal of the required CPR certification. Additional costs for each student will include travel to the clinical site.

Outcome Assessment of the AT Program. Successful completion of the competencies and proficiencies associated with each of the major classes, first-time passing rate on the BOC (Board of Certification) exam, variety of surveys (course instructor survey, clinical instructor survey, senior exit interview, alumni and employer surveys), and rate of employment in the field for recent graduates.

Business Administration/Sport Management, B.S.B.A.

Major Requirements: Sixty-one/sixty-seven (61/67) semester hours

Required Courses:

— AG210	— CS152	— KN402
— AG211	— ES211	— KN430
— BS201	— ES212	— KN397 (Internship)
— BS202	— MS151 or MS252	— One case study course
— BS305	— BS/CN/PS 212	- BS442
— BS460	— KN159	- BS457
— CN101	— KN330	- BS492 (SC)
— CN205	— KN332	

Upon completion of the program, students will:

- Understand sport management theoretical concepts and their practical application.
- Recognize the relationship between a career in sport management and service to others.
- Develop critical and ethical thinking and decision making skills needed for entry level positions
- Demonstrate competency in the skills and knowledge required for entry level positions in professional, educational, corporate, and community level sport, fitness and recreation programs

Exercise Science Major

Major Requirements: Fifty one - Fifty eight (51-58) semester hours

Required Courses:

— KN158	— KN362 or KN367	— BS200
— KN159	— KN364	— BS310
— KN250	— KN404	— One (1) competency area completion
— KN251	— KN452	
— KN256	— KN397	
— KN350 (SC)	— BY150 (or equivalent)	

Select a minimum of one (1) competency area from the following:

- Group Fitness:
 - KN281
 - KN405 (SC)
 - KN361
- Strength and Conditioning:
 - KN257
 - KN280
 - KN405 (SC)

Upon completion of the program students will:

1. Understand the basic concepts associated with the field of exercise science.
2. Demonstrate the ability of plan and execute basic physical fitness programming for various populations.
3. Exhibit competency in the skills and knowledge required for an entry level position in the exercise science field.

Outcome assessment for the Exercise Science: Feedback from course surveys, exit interviews, alumni surveys, and rate of employment in the field for recent graduates.

Exercise Science Major (Pre-Allied Health)

Major requirements Eighty-Four (84) semester hours

Required Courses:

— KN158	— KN350 (SC)	— BY155 (NL)
— KN200	— KN364	— BY156
— KN251	— KN367	— BS200
— KN256	— KN397	— PG100
— KN257	— KN404	— PG202
— KN280	— KN405 (SC)	— PG380
— Pre AT and PT students also need		
- KN145	- BY171 (NL)	- PC201 (NL)
- CY 111(NL)	- SY103 GP	- PC202
- CY112		

Upon completion of the program students will:

1. Understand the basic concepts associated with the field of exercise science.
2. Demonstrate the ability of plan and execute basic physical fitness programming for various populations.
3. Exhibit competency in the skills and knowledge required for an entry level position in the exercise science field
4. Successful complete the requirements for advanced study in the area of Athletic Training and Physical Therapy.

Outcome assessment for the Exercise Science: Feedback from course surveys, exit interviews, alumni surveys, graduate school acceptance rates and rate of employment in the field for recent graduates.

Physical Education Major with a Concentration in Teacher Training

1. The first goal of the program is to prepare students to have the initial level of competence in physical education pedagogy to be able to obtain their first teaching position.
2. The second goal of the teacher preparation major is to prepare students to pass the state certification test for K-12 physical education.
3. The third goal of the program is that students will be physically educated persons

All prerequisites must be met prior to enrollment in the course for which it is required. Majors in physical education will receive a secondary certification giving the student the ability to teach K-12 physical education. Minors in physical education will receive a secondary certification and the ability to teach grades 6 through 12. No longer is physical education eligible to be part of an elementary classroom teacher preparation program. Students who wish to be certified to teach physical education and in the elementary classroom must first complete the physical education major, and then add a general elementary classroom endorsement.

All student seeking teacher certification must pass the Michigan Basic Skills Test prior to taking EN201, Introduction to Education which student complete before taking any other teacher education classes. It is recommended that students take this early in their college career.

Majors and minors will be required to complete in-school observation hours in KN242 (Sports Techniques) and KN364 (Motor learning/Motor development) as well as in school field experiences in KN358 (Elementary methods) and 450 (Secondary methods and measurements). There is also a field placement in a school or with Special Olympics for KN452 (Physical Activity for Special Populations). The preparation program culminates with student-teaching which consists of a nine week elementary and a nine week secondary placement. The student must be certified in First Aid and CPR to student-teach. This certification can be obtained in KN158 but it must be kept current. After completing the major (and minor) but before receiving a teaching certificate, the student must pass the Michigan Test for Teacher Certification.

Major Requirements: Fifty-one (51) semester hours

Required Courses:

- | | | |
|---------|---------|---------|
| — KN146 | — KN256 | — KN359 |
| — KN158 | — KN281 | — KN364 |
| — KN159 | — KN284 | — KN404 |
| — KN242 | — KN289 | — KN450 |
| — KN250 | — KN358 | — KN452 |
- Five (5) activity classes (one must match your officiating class), coaching, and officiating (softball/baseball; track, volleyball, basketball, soccer).

Application for acceptance to the major can be made after two full semesters and a 2.0 minimum grade point average.

Application to the major includes:

1. Minimum 2.0 Grade Point Average
2. Completion of the application (available in department office), with three (3) letters of recommendation, one from a professor, one from a current student accepted to the education program, and one from a non-relative (former coach, teacher, employer, etc.)
3. A statement of recognition and understanding of the State standards for beginning teachers available in the Kinesiology office or on the State Department of Education website.
4. A personal interview with the advisor for the major.

Outcome Assessment of the Physical Education Teaching major: Satisfactory completion of the Michigan Department of Education's nine standards for beginning teachers, successful completion of the state teacher certification exam (MTTC), and various surveys (course/instructor evaluations, senior exit interviews etc).

Kinesiology Minors. Minors are divided into two categories: teaching and non-teaching. Teaching minors are certified by the Michigan Department of Education. Students will be certified to teach physical education or health (grades 6-12). Non-teaching minors cannot be used for teacher certification purposes.

NOTE: All prerequisites must be met prior to enrollment in the course for which it is required.

Teaching Minors.

1. Secondary Teaching Minor Twenty-seven (27) semester hours. Designed for the student majoring in secondary education as a certifiable minor for teaching physical education in grades 6–12.

Required Courses:

- | | | |
|---------|--|------------------------------|
| — KN146 | — KN289 | — KN450 |
| — KN158 | — KN364 | — Three (3) activity courses |
| — KN242 | — KN250 or KN256 (highly recommended that both be taken) | |
| — KN281 | | |
| — KN284 | — KN404 | |

2. Secondary Teaching Minor with a Concentration in Coaching: Thirty-two (32) credits. Designed for the student who desires to coach while teaching physical education in grades 6–12.

Required Courses:

- | | | |
|---|------------------|--|
| — KN146 | — KN364 | — KN250 or KN256 (highly recommended that both be taken) |
| — KN158 | — KN281 or KN404 | |
| — KN242 | — KN450 | |
| — KN289 | | |
| — Three (3) additional activity courses | | |

- One (1) coaching core (Coaching class plus one officiating and activity class in the same sport (football, soccer, baseball/softball, basketball, track, or volleyball))
3. Health Education Teaching Minor: Twenty-four (24) credits. Minor in grades 6-12 health education is designed for education students that are majoring in K-12 physical education. It is recommended that physical education majors also choose an additional minor.

Required Courses:

- | | | |
|---------|---------|---------|
| — KN146 | — KN222 | — KN420 |
| — KN157 | — KN312 | — KN422 |
| — KN220 | — KN320 | |

Non-Teaching Minors:

1. Allied Health and Sports Science Minor: Twenty-two (22) semester hours. Designed for students interested in Athletic Training but NOT interested in pursuing BOC certification. This is not a state recognized minor for teacher certification.

Required Courses:

- | | | |
|---------|---------|---------|
| — KN250 | — KN352 | — KN365 |
| — KN257 | — KN354 | — KN366 |
| — KN350 | — KN356 | |

2. Athletic Coaching Minor: Twenty-two (22) semester hours. This is a non-certifiable minor designed for students interested in coaching (but not teaching).

Required Courses:

- | | | |
|---------|---------|---------|
| — KN158 | — KN250 | — KN350 |
| — KN242 | — KN251 | — KN404 |
| — KN245 | — KN260 | |

3. Exercise Science Minor: Twenty-six (26) credits. This minor is designed for those individuals that desire national certification as a personal trainer, strength /conditioning trainer, aerobics instructor, or health fitness instructor. This is NOT available for those majoring in Physical Education (teaching).

Required Courses:

- | | | |
|--------------|---------|----------|
| — BY150 (NL) | — KN251 | — KN404 |
| — KN158 | — KN256 | — KN405 |
| — KN250 | — KN281 | — KN399* |

*Advanced Fitness Testing/ Exercise Prescription- see department chairperson for details.

4. Recreation Minor: Twenty-one (21) credits. This minor is designed for those who wish to pursue work in community or collegiate recreation departments, summer camps or state /national park employment.

Required Courses:

- | | | |
|---------|---------|---------|
| — KN147 | — KN158 | — KN242 |
| — KN157 | — KN397 | — CL300 |
- One (1) Recreational sport activity (softball, basketball, soccer, volleyball or officiating)
 - One (1) Outdoor Recreation activity class (cycling, golf, hiking, sailing, tennis)
 - One (1) Community Recreational activity (aerobic fitness, ballroom dance, bowling, fencing, folk and square dance, gymnastics, Pilates, Tai Chi, or yoga)

Course Descriptions:

KN110 Special Topics/Activity (1)

KN143 Intercollegiate Athletics (1) Credit awarded to varsity athletes who participate in intercollegiate athletics.

KN144 Intercollegiate Athletics (1) Prerequisite: KN143.

KN145 Medical Terminology (2) The medical terminology course is a two semester hour course designed for students who need a medical terminology course to fulfill an admissions requirement to a health professions program. This course will also fulfill any other student who needs an in depth course in the “language of medicine”.

KN146 Nutrition, Exercise, Stress (3) Study of nutrition, exercise, and stress. Activities will include personal fitness assessment, active participation, and lecture and discussion. This course involves both lecture and participation in exercises.

KN147 Outdoor Recreation (3) Techniques of camp counseling, program organization; outdoor leadership skills, and marketing of outdoor programs. Additional fees may be required. Prerequisite: KN159.

KN149 Clinical Experience I (1) The practical application of skills of taping and bandaging techniques for athletic injury. Open to students in the Athletic Training Program only. Prerequisites: KN158 and KN350 both passed with a “B” or better or permission from the Program Director.

KN157 Health Education—Community (3) This course will involve pertinent health information for targeted populations and analysis of that information. It also will involve critical analysis of digital health sites for appropriate and research-supported information as well as analyzing personal health information in order to produce a personal behavior plan and researching critical current health issues and produce a written analysis of the issue. Accessing and appropriately utilizing state and county health resources will also be covered.

KN158 Health Education—First Aid (3) Introduction to theory and methods of first aid including CPR and other emergency techniques and procedures. The American Red Cross Emergency Medical Response and Responding to Emergencies courses are both offered. Athletic training majors should choose the Emergency Medical Response section of the course

KN159 Introduction to Kinesiology (3) Philosophy, history, and theories of physical education and exercise; professional preparation for the areas of teaching (K-12), exercise, sport management, and health. Additional fees for conference attendance.

KN180 Ballroom Dancing (1)

KN 181 Beginning Irish Dancing/Activity (1)

KN182 Pilates/Activity (1)

KN183 Fencing/Activity (1) Class meets off campus after the first meeting

KN184 Advanced Fencing (1) This course is designed as a continuation of KN183 Beginning Fencing to increase the student’s mastery of this sport. Class meets at Grand Rapids Fencing Academy (GRAFA) after the first class. Prerequisite: KN183 or instructor permission.

KN185 Tennis I/Activity (1) Class meets off campus after the first meeting.

KN186 Cycling/Activity (1) Class meets off campus after the first meeting.

KN187 Hiking /Activity (1)

KN189 Gymnastics Activity (1) Class meets off campus after the first meeting.

KN200 Surface Anatomy (2): This course is designed to introduce prospective allied health professionals to the bones and landmarks, joints and movements, and the muscles of the human body. Prerequisite: None

KN220 Teaching Health Concepts I: Nutrition and Physical Activity (3) This course explores the social and personal factors influencing nutrition and physical activity among adolescents including the problem of obesity. Special emphasis is placed on selecting useful resource materials and applying the behavior change mode to teaching adolescents healthy approaches to health enhancing physical activity, nutrition and weight management. In addition students will practice teaching lessons to their peers. Prerequisites: KN146 and KN157

KN222 Teaching Health Concepts II: Human Sexuality and STD Prevention (3) This course explores the basic health content as apply to sexual health and the prevention of sexually transmitted diseases. In addition the class will examine the law and its requirements relates to providing sex education in Michigan public schools. This will include analyzing the

roles and responsibilities of the state required sex education advisory board and the process for developing the sex education program, and achieving consensus on sex education content. Prerequisites: KN146 and KN157

KN242 Sports Techniques and Research (3) Designed to provide prospective physical education and recreation educators with instruction, practice, and participation in the fundamental rules, skills, terminology, and strategies of the sports most often taught in physical education classes K through 12. Special emphasis is placed on the research process needed to become knowledgeable and able to instruct unfamiliar sports. Observation/teaching hours required. Prerequisite: EN201 or permission of instructor

KN245 Sports Officiating (1) Techniques and methods of officiating basketball, football, track and field, baseball and softball, soccer or volleyball; study of rules and strategies of officiating; Michigan certification available.

KN249 Clinical Experience II (1) Practical application of emergency injury management. Open to students in the Athletic Training Program only. Prerequisites: KN354 - "B" or better or permission of the instructor.

KN250 Physiology of Exercise (4) Study of the physiological responses to exercise and sport. Emphasis on energy expenditure, neuromuscular, cardiovascular, respiratory systems and their adaptation to training. Lab required. Offered fall semester for Athletic Training majors and spring semester for Exercise Science majors. Prerequisites: BY150 or BY155/156 or BY171.

KN251 Nutrition for Sports Performance (3) An introduction to the basic principles of nutrition with an emphasis on the role that nutrition plays in the physiological response to exercise in sport. This includes the composition of pre, during and post physical activity meals, the role that nutrients play in performance, disordered eating, and food as an ergogenic aid. Prerequisites: None

KN252 Nutrition for Nurses (3) Basic principles of nutrition and its application to health and wellness as it relates to practitioners in the nursing field.

KN256 Anatomical Kinesiology/Biomechanical Kinesiology (4) Study of skeletal, joint, and muscular systems in the human body; analysis of muscular-skeletal movement applied to exercise, sports, and dance skills. Prerequisites: BY150 or BY155/156 or BY171.

KN257 Therapeutic Exercise (2) This course is designed to educate students in the role that therapeutic exercise plays in the successful return of athletes to sports. Offered fall semester for Exercise Science majors and spring semester for Athletic Training majors. Prerequisite: KN350

KN260 Theory of Coaching (3) This course is designed to introduce and develop skills needed to become a successful coach. It is intended to provide the foundation for those who coach sports at any level. Through a series of videotaped presentations, readings, Internet activities and discussions, the learners will gain insight into the many intangibles of coaching that, until now, could only be learned through the trial and error of experience. The course addresses the differences in levels of competitive sports, the personal roles that coaches should exhibit, the professional roles expected and the organizational influences on the world of a coach.

KN279 Great Lakes Sailing/Activity (1) Additional fees required. Class meets off campus for on-the-water instruction.

KN280 Weight Training/Activity (1)

KN281 Aerobic Fitness/Activity (1)

KN282 Beginning Yoga/Activity (1)

KN283 Tai Chi I/Activity (1)

KN284 Folk and Square Dance/Methodology (2)

KN285 Soccer/Activity (1)

KN286 Softball/Activity (1) Class meets off campus after first meeting.

KN287 Volleyball/Activity (1)

KN288 Basketball/Activity (1)

KN289 Teaching Gymnastics (2) Class meets off campus after the first meeting.

KN290 Golf/Activity (1) Class meets off campus after the first meeting. Additional fees required.

KN292 Bowling/Activity (1) Class meets off campus after the first meeting. Additional fees required.

KN310 Special Topics (3)

KN312 Teaching Health Concepts III - Substance Abuse, Violence and Suicide (3) This course is designed to help students understand the basic health content and demonstrate skills needed for individual health character education and substance abuse, violence and suicide prevention. This course will examine and apply methods of teaching these concepts to secondary age students. In addition the students will investigate the social and personal factors influencing the health behaviors of adolescents as they relate to these content areas.

KN320 Planning the Coordinated School Health Program (3) This course will identify and examine the role of the health education teacher's as an advocate, role model, consultant, liaison, collaborator, and parent educator in the promotion of comprehensive school health education and the coordinated school health program at the school district level. Students will also explore the theories of behavior change as well as investigate local policies and laws of the State of Michigan related to child health. The course will also address the competencies needed to promote and foster a nurturing and healthy school climate. Prerequisites: KN146, KN157

KN 330 Marketing and Promoting Sport (3) This course is a comprehensive overview of marketing, promotion and public relations in sport business. Distinctions will be made for the varied sport settings of professional sports teams, education athletics, club industry, recreation, sports manufacturing and the retail world. Projects will be assigned within each of the main topics to give students practical experience in each area.

KN332 Selling and Funding Sport(3) The course is a comprehensive overview of sales and analytics, fundraising and retention in the sport business. Distinctions will be made for the varied sports settings of professional sports teams, educational athletic, club industry, sports manufacturing and retail world. Projects will be used within each of the main topics to give students practical experiences with each topic.

KN349A Clinical Education III (1) Practical application of skills and clinical evaluation of the lower extremity conditions Only open to students in the Athletic Training Program. Prerequisite: KN365 - "B" or better or permission of the instructor.

KN349B Clinical Education III (1) Practical application of skills and clinical evaluation of the upper extremity conditions Only open to students in the Athletic Training Program. KN366 - "B" or better or permission of the instructor.

KN350 Medical Aspects of Athletics/Physical Education (3) (SC) Senior Capstone for Exercise Science majors with KN405) Organized principles involved in theories of conditioning, prevention of injuries and procedures for handling emergency situations. Includes basic taping, injury recognition, evaluation and rehabilitation techniques. Prerequisite: KN200 or equivalent for Athletic Training majors, BY 150 or equivalent for non-AT majors. Additional fees may be required.

KN352 Practicum I (2) Work in Athletic Training facility situation; experience with daily treatments and taping of athletic injuries. Work may involve outside assignments. Prerequisite: Junior or senior status.

KN354 Advanced Athletic Training (3) Advanced study of athletic injuries with emphasis on pathologies of the musculoskeletal and nervous system. This course will also look at various surgical techniques and emergency skills. Prerequisite: KN366 (grade of B or better), permission of Program Director.

KN356 Therapeutic Modalities (2) This course is designed to educate students in the role that therapeutic modalities play in successful return of athletes to sports. Prerequisite: KN365, KN257 or permission of instructor.

KN357 Integrated Rehabilitation (3) WI The goal of this course is to educate students in rehabilitation techniques so that they are able to design treatment plans utilizing both therapeutic modalities and therapeutic exercises for all sports injuries. Prerequisite: KN257, 356, 365, all with a "B" or better or permission of instructor.

KN358 Physical Education in the Elementary School (3) Characteristics of children (K-6), implications for physical activity; lesson planning, organization of simple games, rhythmic activities, curricular development, skill themes, movement concepts, lead-up games to sport activities. Grade K-6 observation/teaching hours required. Prerequisite: EN201 or permission of instructor.

KN360 Pharmacology and General Medical Conditions (2) Course covers the general principles of pharmacology as they relate to the practice of Athletic Training and exercise. Also included are discussions of medical conditions and the effects of exercise on various common medical problems. Prerequisite: KN350 - "B" or better or permission of instructor.

KN361 Group Exercise Leadership (2) A leadership course for students interested in teaching group exercise classes in a fitness setting. Course includes instruction on choosing exercise modalities, cueing, transitions, and music selection and tempo. Preparation for certification is included. Prerequisite: KN281.

KN362 Administration of Sport and Fitness (3) Administrative theory and philosophy, budgeting and business procedures, facility planning and logistics, risk management, inventory management, other aspects related to administration of recreation and sport. Prerequisite: KN159 and KN332. Additional fees for conference attendance.

KN364 Motor Learning and Motor Development (3) Designed to provide prospective physical educators, exercise science majors, with the knowledge and understanding of human growth and development, and motor learning needed to be successful in their professions. Emphasis is placed on the stages of development from birth through early adulthood. Emphasis is also placed on the theories of motor learning and how they relate to skill acquisition and refinement.

KN365 Evaluation Procedures I (3) Lower extremity muscle and joint testing for evaluation of athletic injuries. Prerequisites: KN350 - "B" or better or permission from the Program Director.

KN366 Evaluation Procedures II (3) Upper extremity muscle and joint testing for evaluation of athletic injuries. Prerequisite: KN365 - "B" or better or permission of the Program Director.

KN367 Administration and Psychosocial Aspects for the Allied Health Care Professionals (3) Administrative theory and philosophy, budgeting and business procedures, facility planning/logistics, risk management, inventory management, other aspects related to administration of an allied health care facility. This course will also look at ethics, diversity and cultural competence related to health care as well as the psychosocial aspects related to rehabilitation of injury. Prerequisite: KN350.

KN397 Internship (Variable) Prerequisites for Exercise Science: KN159, KN250, KN405 Junior or senior status. Prerequisites for Sport Management: BS201, BS202, KN159. Junior or senior status.

KN398 Readings in Kinesiology (Variable 1–4) Individually negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

KN399 Independent Project (Variable 1–4) Individually negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

KN402 Sport Law (3) An examination of legal principles in sport that lead to situations, problem solving and decision making in sport management. Prerequisite: KN159.

KN404: Conditioning I (2) This course will expand on the basic and applied principles of exercise prescription. Emphasis will be placed on cardiovascular exercise, resistance training, and neuromuscular training in both the general populations and special populations. The course will consist of lectures, readings, group discussions and activities. Prereq: KN250

KN405: Conditioning II (2) SC (Senior Capstone for Exercise Science Majors with KN350) Designing Programs: This course is a continuation of KN404: Conditioning I and will build on the knowledge gained from that course and apply that to actual client programming. Each section will start with a review of the principles and emphasize the application of those principles to specific client exercise programs. The course will consist of readings, group discussions and activities. Prereq: KN404

KN420 Teaching Skills and Methods in Health Education (3) This course will examine best practices in health education instruction. Students will have the opportunity to observe and practice these methods and skills in a 16-hour field experience. Course content will include selecting teaching methods and strategies to maximize student achievement. Strategies and methods for building positive relationships with and among students will be taught and modeled. Students will analyze and be able to demonstrate how to apply the theory of multiple intelligences along with accommodating student's learning preferences for teaching health education concepts in the classroom setting. Professional growth and development will be addressed through the examination of participation in professional organizations and options for professional development. Prerequisites: KN146, KN157

KN422 Assessment and Evaluation in Health Education (3) The class explores the use and selection of data and data gathering instruments to obtain valid and reliable sources of health-related information for the effective assessment and evaluation of health education activities, strategies, and curricula. Students will practice developing authentic assessments

and practical evaluation plans for health education instruction and associated elements of the coordinated school health program. In addition, students will practice analyzing and interpreting the data from student assessments and program evaluations and making recommendations for future program and instructional planning. Prerequisites: KN220, KN222, KN312.

KN 430: Facility and Event Management (3) This course is a comprehensive overview of facility and event management in sport business. Distinctions will be made for the varied sports settings of professional sports teams, educational athletic, club industry, sports manufacturing and retail world. Projects will be used within each of the main topics to give students practical experiences with each topic.

KN440 Senior Clinical Experience (SCE) (6-12) Practical application of the concepts of the athletic training profession and applied in a real-world clinic setting. The SCE usually is done in an equipment –intensive setting. Only open to students in the Athletic Training program. Prerequisite: Completion of KN357, 354.

KN449 Clinical Experience IV (1) Practical application and clinical evaluation of skills introduced in the Athletic Training Program in rehabilitation course (KN357). Only open to students in the Athletic Training program.

KN450 Methods/Measurement in Secondary Physical Education (4)

Theory and practice in teaching health education and physical education: lesson planning, curricular development, grading, measurement, and evaluation techniques used in secondary schools. Junior status required. Grades 7–12 observation/teaching hours required. Prerequisite: KN159, KN242, EN201 or permission of instructor.

KN452 Physical Activities for Special Populations (3) Games, rhythmic activities, developmental movement, perceptual motor activities for children with handicapped conditions; focus on theory and practice of mainstreaming. Prerequisite: KN159 or permission of instructor.

KN460 Athletic Training Capstone SC (2) Course is open to Athletic Training majors in their last semester of the athletic training program. All topics will be covered in a culminating experience in preparation for a career in Athletic Training. Prerequisites: Completion of all other courses in the Athletic Training major.

KN495 Elementary Directed Teaching (6) Completion of major, minor and teacher education sequence (Department Advisor’s Approval)

KN498 Secondary Directed Teaching (6) Completion of major, minor and teacher education sequence. Department Advisor’s Approval

Legal Studies

Bradford Winkler, J.D., Coordinator

Contact the Legal Studies / Pre-Law Coordinator during your first year.

Legal Studies Minor This interdisciplinary minor is designed for students who are seeking to gain a greater understanding of the role of law in our society. In addition, the program is designed for students who are interested in pursuing graduate studies in law or law related careers (e.g. politics, business, law enforcement, and government work).

Minor Requirements: Twenty-one (21) semester hours (18 required, 3 elective).

Required Courses:

I. Core:

- | | | |
|--------------|--------------|--------------|
| — PS 314 (3) | — BS 331 (3) | — PS 316 (3) |
| — PS 315 (3) | — BS 332 (3) | — SY 261 (3) |

II. Electives:

- One three (3) semester hour course from the following list is required:
 - PH 251 (3)
 - PS 390 (3)
 - PS 389 (3)
 - KN402 (3)

III. The following list of courses are not required for the Minor but are highly recommended and/or

Prerequisites to the Required Courses:

- | | | |
|--------------|--------------|-----------------|
| — PH 111 (3) | — PS 101 (3) | — PS 321 (3) |
| — EH 205 (3) | — HY 102 (3) | — PH/PS 312 (3) |

Students must earn a C- or better in a class in order for it to count toward the minor. At least fifteen (15) semester hours of this Minor must be taken at Aquinas College.

Full course descriptions are available within the departmental entries in this catalog. (PS=Political Science, BS=Business Administration, SY=Sociology, PH=Philosophy, KN= Kinesiology, EH= English, MG=Management, HY=History).

Pre-Law Studies. Contact the Legal Studies/Pre-Law Coordinator during the first year.

Unlike pre-health programs that contain specific courses, some obligatory, there is no recommended set of pre-law courses. Law schools prefer that you reserve your legal study for law school and fill your undergraduate curriculum with broad, diverse, and challenging courses.

There are, however, generic types of knowledge that one should possess in order to have a full appreciation of the legal system in general, to understand how disputes might be resolved, to understand and apply various legal principles and standards, and to appreciate the context in which a legal problem or dispute arises. These include:

1. A broad understanding of history (particularly American)
2. A fundamental understanding of political thought and philosophy
3. A basic understanding of ethical theory and theories of justice
4. A grounding in economics, particularly elementary micro-economic theory
5. Some basic mathematical and financial skills
6. A basic understanding of human behavior and social interaction
7. An understanding of diverse cultures within and beyond the United States;
8. Skills in writing, oral communication, and general research

Completion of a four-year degree is preferred. Students should not take the Credit/No Credit option for any letter-graded courses.

Satisfactory completion of the Law School Admissions Test (LSAT) is required. The College offers free practice tests each semester. PH111 (Logic) is recommended.

Students should also maintain a grade-point-average of 3.0 or better for a reasonable chance of admission to law school.

Pre-Law students are encouraged to join the student Pre-Law Club which provides speakers, forums, and activities involving the legal profession.

Aquinas College offers a credit course entitled, “Moot Court,” offered each Fall semester, where Aquinas teams compete against other undergraduate schools in federal appellate advocacy at tournaments sponsored by the Intercollegiate Moot Court Association.

Students should consider the Legal Studies Minor which is designed for students who are seeking to gain a greater understanding of the role of law and the legal system.

The Legal Studies Minor is recommended for students preparing for law school and careers with a salient legal aspect (e.g. politics, business, law enforcement, criminal justice, and government work).

At least twelve (12) semester hours of mathematics must be taken at Aquinas College.

Math/CIS Minor

Minor Requirements: Twenty four (24) semester hours

Required Courses:

- MS121
- MS170
- A one- or two-hour research project (399) that is supervised by a faculty member from the student's major field and uses the computer for modeling, data gathering, data analysis, or internet security
- Remaining courses chosen from a list of these approved courses:
 - MS122 (MS)
 - MS232 (MS)
 - MS252
 - MS309 (MS)
 - CS180
 - MS240
 - MS310 (MS)
 - MS332 (MS)
 - CS170
 - CS182
 - CS242
 - CS332

At least two courses must be taken through the CIS department. The Math/CIS minor is not allowed for those already majoring or minoring in Math or CIS.

Program requirements:

Each mathematics major or minor requires departmental approval.

To qualify for either a major or a minor in mathematics a student must have, at graduation time, a cumulative G.P.A. of C+ (2.3) or higher in those courses which they are using to fulfill the major or minor requirements. No course with a grade below a C- will count toward the mathematics major or minor.

Upper-division courses (300–400 level) generally are offered on alternate years. Check with the Mathematics Department for course offerings.

Teaching Mathematics

Education Requirements

Secondary Level (6–12 certification): Students seeking a secondary teaching major or minor must fulfill all requirements for the mathematics major/minor described above. In addition to the other requirements for the major/minor, all students earning secondary mathematics teacher certification must include one department approved course in Geometry, one department approved course or course sequence in Probability and Statistics, one department approved course in Discrete Math, and one department approved course in the History of Mathematics. The Methods of Teaching Secondary Mathematics, MS375, is a required course which does not count towards the major. Additional recommended courses are MS170 and MS321. The School of Education requires that all courses taken as a requirement for certification are completed with at least a C.

Elementary Level (K-8 certification): Students seeking an elementary teaching major must fulfill all requirements for the mathematics major, described above. Included in the thirty-two (32) semester hours required for the math major there must be at least one department approved course or course sequence in Probability and Statistics and one department approved course in the History of Mathematics. In addition to the thirty-two (32) semester hours required for the major, candidates must also complete MS260, MS261, and MS271 for certification requirements. The School of Education requires that all courses taken as a requirement for certification are completed with at least a C.

Mathematics Minor for Elementary Certification: A student seeking a mathematics minor for elementary certification must complete all of the requirements of the mathematics minor described above. Included in the twenty-four (24) semester hours must be at least one department approved course or course sequence in Probability and Statistics, and one department approved course in the History of Mathematics. Certification requirements of MS260, MS261, and MS271 must also be met.

Since the above are State of Michigan requirements, they apply to all students (graduates and undergraduates) seeking mathematics teacher certification. Major/minor programs require departmental approval.

Credit/No Credit. Only courses which are not to be applied toward a mathematics major or minor, or to fulfill requirements in other content areas, may be taken on a Credit/No Credit basis.

Course Descriptions:

MS107 Elementary Algebra (3) Real numbers, algebraic expressions, linear, rational and quadratic equations, graphing, factoring. Prerequisite: Designed for students having no more than two years of college-preparatory mathematics. This course is not accepted for the General Education Mathematics requirement.

MS110 Mathematics for Liberal Arts (3) MS Mathematical ideas for understanding life in our culture; topics include probability, logical thinking, and problem solving with minimal use of algebra. Prerequisite: Two years of college-preparatory mathematics or MS107.

MS111 Intermediate Algebra and Trigonometry (4) MS Linear and quadratic equations, inequalities and functions; exponential and logarithmic functions; exponents, radicals; polynomial and rational functions. Introduction to trigonometric functions and relationships. Prerequisite: Two years of college-preparatory mathematics or MS107.

MS114 Precalculus (4) MS Linear and quadratic functions; equations and inequalities; transformations; systems of linear equations and inequalities; polynomial, rational, exponential, logarithmic and trigonometric functions, and graphing; conic sections. Prerequisite: Three (3) years of college-preparatory math or MS111.

MS118 Business Analysis (3) MS Short course of differential and integral calculus for applications in business, sustainable business and economics and an emphasis on optimization. Prerequisite: Three and one-half (3 1/2) years of college-preparatory math or MS114.

MS121 Calculus I (4) MS Functions, limits, continuity, derivatives, antiderivatives, Fundamental Theorem of Calculus, solids of revolution. This course has five contact hours per week. Prerequisites: Three and one-half years of college-preparatory math, including trigonometry or MS114.

MS122 Calculus II (4) MS Inverse functions, integration techniques, integrals with applications, conic sections, polar coordinates, parametric equations, sequences and series. This course has five contact hours per week. Prerequisites: MS121

MS151 Elementary Statistics (3) Designed primarily for students who have had no more than two years of high-school mathematics or its equivalent. Includes the fundamental concepts of descriptive and inferential statistics. Prerequisite: MS107. This course is not accepted for the General Education Mathematics requirement.

MS170 Technology and Mathematics Seminar (1) MS Introduces programming and applications of computer algebra systems, modeling programs, calculators, and other mathematical software and hardware. This course prepares prospective teachers, minors and majors for higher courses and their own work as educators. Prerequisite: MS121, can be taken concurrently.

MS231 Multivariate Calculus (4) MS Vector and solid geometry, vector-valued functions, calculus of curves in space, functions of several variables, partial differentiation, multiple integration, and vector analysis. Prerequisite: MS122.

MS232 Linear Algebra (3) MS Systems of equations, matrices, determinants, vector spaces, linear transformation, eigenvalues, eigenvectors, and canonical forms. Prerequisite: MS122.

MS240 Discrete Mathematics (3) MS Develop basic techniques and modes of reasoning of combinatorial problem solving; describe and analyze the algebraic structures of certain set-relation systems; illustrate and analyze the wide variety of applications of discrete mathematics. The topics to be covered include mathematical induction, set theory, relations and functions, combinatorics, probability, graph theory, and mathematical logic. Prerequisite: MS121 or department approval.

MS241 Differential Equations (3) MS Study of the classification and solutions of ordinary differential equations with applications. Prerequisite: MS231.

MS252 Statistics (3) Designed for students who have had at least three (3) years of high-school mathematics or its equivalent. Topics to be covered include frequency distributions, variability, probability, sampling, estimation, testing, hypotheses, analysis of variance, regression and correlation analysis, and nonparametric tests. (Course counts as three (3) semester hours toward a minor, but only one (1) semester hour toward a major.) Prerequisite: MS114. This course is not accepted for the General Education Mathematics requirement.

MS260 Mathematics for Elementary and Middle-School Teachers I (3) MS Required for elementary certification. Topics appropriate for grades K-8 include: rational numbers, patterns and variables, measurement, geometry, logic, and graphing. Emphasis is on constructing understanding through experience: exploring, extrapolating, and explaining concepts and relationships. Problem solving, both in groups and individually, is a major theme. Tutoring and field experiences required. Prerequisites: EN201; cumulative grade point average of 2.5 and a grade of C in MS111 or equivalent.

MS261 Mathematics for Elementary and Middle-School Teachers II (3) MS Required for elementary certification. Topics appropriate for grades K-8 include: elementary algebraic preparation including linear, quadratic and exponential, probability and statistics. Emphasis is on constructing understanding through experience: exploring, extrapolating, and explaining concepts and relationships. Problem solving, both in groups and individually, is a major theme. Tutoring and field experiences required. Prerequisites: EN201; cumulative grade point average of 2.5 and a minimum grade of C in MS260.

MS271 Mathematics Methods for Elementary and Middle-School Teachers (3) Required for elementary certification. Course expands on the content from MS260, 261, examines ways children learn and fail to learn mathematics, and emphasizes strategies for teaching and designing lessons. New content focuses on concepts and operations of whole numbers, number theory, number patterns, and measurement. Tutoring and field experiences required. Prerequisite: EN201, MS260, MS261; cumulative grade point average of 2.5 and a grade of C MS111 or equivalent. This course is not accepted for the General Education Mathematics requirement.

MS282 Applied Statistics with R (3) MS The course is designed to provide participants with a basic understanding of common statistical computing approaches and how to apply those approaches to common industry and research scenarios. Following completion of the course, students will possess the requisite programming skills to function as a programmer analyst in an analytical work environment. Topics include: importing/exporting data in various formats; character and numeric manipulation; merging; subsetting, and combining data sets; effective programming with common data structures; and producing high quality graphics and reports for end users. The free and open source R programming language will be used extensively throughout the course to teach fundamental programming concepts and applied statistical approaches. Introductory Statistics with R {Daalgard 2008} will serve as a supplemental text to aid in retention and understanding of the topics covered.

MS240 Discrete Mathematics (3) MS Develop basic techniques and modes of reasoning of combinatorial problem solving; describe and analyze the algebraic structures of certain set-relation systems; illustrate and analyze the wide variety of applications of discrete mathematics. The topics to be covered include mathematical induction, set theory, relations and functions, combinatorics, probability, graph theory, and mathematical logic. Prerequisite: MS121 or department approval.

MS309 Theory of Numbers (3) MS Divisibility, congruences, quadratic reciprocity, arithmetic functions, multiplicative number theory, Riemann's zeta function. Prerequisite: MS122

MS310 Modern Cryptography (3) MS Encoding (RSA, ElGamal and elliptic curves) and decoding methods (Miller-Rabin, Dixon and Pollard) from 1974 to the present. Electronic signatures and hash functions. We will study the math behind these ideas and write programs which perform the encoding and decoding. Prerequisite: MS309.

MS/PC316 Applied Mathematics for the Physical Sciences (4) MS An introduction to topics in applied mathematics not covered in a traditional mathematics curriculum. Topics include Complex Numbers, Fourier Series, Fourier Analysis, Partial Differentiation, and Laplace Transforms. Prerequisite: MS122.

MS321 Abstract Algebra (4) MS, WI Sets, functions, equivalence relations, integers, mathematical induction, modular systems, permutations, groups, rings, fields, isomorphisms, and homomorphisms. Prerequisite: MS122, MS232 (MS240 recommended).

MS332 Introduction to Numerical Analysis (3) MS Numerical methods involving polynomial evaluation, series approximations, numerical integration, interpolation of linear and differential equations, least squares, and minimax approximations. Prerequisite: MS231, MS232 and CS180 or department approval.

MS340 Linear Regression (3) MS The study of regression techniques and applications in statistics. Topics include linear regression, analysis of variance (ANOVA), multiple regression, analysis of covariance (ANCOVA), and linear hypotheses. Prerequisites: MS232 and at least one of MS252 and MS494. MS282 is recommended.

MS351 History of Mathematics (3) MS

Survey of the development of mathematics from ancient to modern times. Prerequisite: MS122.

MS375 Methods of Teaching Secondary Mathematics (3) Provides a detailed examination of the pedagogy for teaching the mathematical content and process strands of secondary mathematics curricula and of appropriate instructional and

assessment strategies. Tutoring component required. Prerequisite: EN201 (can be taken concurrently with MS375); MS122; cumulative grade point average of 2.5. This course is not accepted for the General Education Mathematics requirement.

MS397 Field Experience in Mathematics (Variable) One or two semester hours of internship or experience in a field directly related to mathematics, negotiated between Mathematics Department and student. Prerequisite: approval of the department chairperson.

MS398 Readings in Mathematics (Variable) Individually-negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: Department approval.

MS399 Independent Project (Variable) Individually-negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: Department approval.

MS401 Introductory Real Analysis (3) MS

Properties of real numbers, Cauchy sequences, series, limits, continuity, differentiation, Riemann integral, sequences, and series of functions. Prerequisite: MS231.

MS433 Topics in Geometry (3) MS Topics selected from affine, Euclidean, non-Euclidean, and projective geometry. Prerequisite: MS122.

MS440 Data Analytics Project (3) MS An application of foundational data analytics skills to a real-life project. The course will include explorations of specific examples of data analysis problems that will serve to exercise and integrate students' backgrounds in linear algebra, applied statistics, probability, and programming. Additionally, students will become familiar with good data visualization practices using appropriate software as well as other software tools for managing data. The course will culminate with an analytics project and presentation using real-world data. Prerequisites: CS180, MS232, MS252, and junior or senior standing.

MS491, 492 Advanced Topics in Mathematics (Variable) Prerequisite: MS231 or instructor approval.

MS493 Probability (3) MS Probability theory and distributions, large and small sample theory. Prerequisite: MS231 or department approval.

MS494 Mathematical Statistics (3) MS

Tests of hypotheses, point and interval estimation, non-parametric statistics, regression and correlation, analysis of variance. Prerequisite: MS493

MS495 Mathematics Capstone SC An in-depth exploration of career options for mathematics majors. Each student, with the instructor's assistance, will formulate and carry out a plan to gain first-hand knowledge of the kinds of work mathematics majors do after college. The knowledge will come by the way of job shadowing, classroom observations, attendance at career fairs, graduate school visits, conference participation, or other opportunities that will give students the opportunity to see how a degree in mathematics might be used in the world.

MS499 A, B, C, D Mathematics Seminar (1 each) Topics selected to broaden the students' mathematical background. Prerequisites: MS122 and junior status. Not more than two semester hours may be applied to the major.

Music

Barbara Witham McCargar, M.M., Chairperson

Paul Brewer, D.A.; Mary Hurd, M.M.; Mark Webb, D.M.A.

Aquinas College offers various programs of study leading to degrees in music that, together with a liberal arts curriculum, provide a solid foundation for careers in music. The Music Department offers courses for Aquinas students, majors and minors alike, who wish to broaden their appreciation and understanding of music through study and through participation in one of the performance ensembles. Private lessons are offered for credit.

All students considering any music major or minor should register for MCTH104 Basics of Music (three (3) semester hours in the General Education program) as an introduction to the major. The Music Theory Placement Test is given throughout the year to evaluate students should they already qualify to pass into MCTH113/115. A formal Declaration of Major Hearing (DMH) will take place at the end of a music student's second year (or following the first transfer year) of studies, at which time a Music Portfolio must be presented

to the faculty and an interview will take place. Seniors will present their completed Portfolios (SPR) at the time of graduation.

Students must earn a grade of C+ or higher in all MCTH music theory courses. Additionally, students in the music major or minor must earn a grade of B- in MCAP courses, must maintain a 2.7 GPA in the major, and earn at least a C in any other courses counted toward the B.A., BMed, BM or minor. Any course other than MCAP and MCTH specified as required in the BSBA Dual Major must be completed with a grade of “C-” or better.

BMed students must earn a grade of C or above in all major and Education courses. Prerequisites are in place from the School of Education for students in the BMed path. Refer to the Education section of this catalog for them.

At least one half of the required semester hours of music credits for the B.A., thirty (30) semester hours of music for the BMed or BM, and 33 semester hours of business and music combined for the B.S.B.A. must be taken at Aquinas College for the music major.

Students in the B.A. preparing to enter the job market upon graduation should consider having one or more Internships and additional coursework in areas such as business and communications. Students preparing for graduate studies should consider elective coursework in their chosen field of specialization. Discuss these goals with your music faculty advisor.

The Bachelor of Arts Degree: Music Major (B.A.)

Music Core Requirements: Forty-two (42) minimum semester hours

Required Courses:

- MCTH113 and MCTH114 Integrated Theory I and II (3,3) AT
- MCTH115 and MCTH116 Ear Training/Sight-Singing I and II (1,1)
- MCTH203 and MCTH204 Integrated Theory III and IV (3,3)
- MCTH205 and MCTH206 Ear Training/Sight-Singing III and IV (1,1)
- MCTH352 Modern Analytical Techniques (2)
- MCTH/CS 160 Midi Music Publishing (1) AT
- *MCHL350 and *MCHL351 Music History and Literature I and II (3,3) AT, WI
- MCED315 Conducting Fundamentals (1)
- **MCEN143-244 College Chorus or MCEN155-256 College Band (1,1,1,1); or MCEN171-272 Jazz Ensemble for Jazz Emphasis (1,1,1,1) AP
- MCEN Small Ensembles (1) AP
- MCAP125-226 Piano; MCAP131-232 Organ, MCAP165,166 (AP),142-242, Voice; or MCAP151-252 Instrument - Studio Applied Lessons (2,2,2,2)
- MCAP123 and MCAP124 Piano Techniques I and II (1,1) AP
- MCHL360 (SC) or MCAP460 (SC) Capstone (1-3)

* for Jazz Emphasis replace MCHL350 (AT, WI) and MCHL351 with MCHL213 (AT) and MCHL215 (AT, WI).

**Guitar, Harp, Violin, Viola, Cello and Bass students must meet with the Music Chair at the beginning of their major studies to determine the appropriate Music Ensemble courses to meet their degree requirements.

The Bachelor of Arts Degree: Music Major: B.A. with Performance Emphasis

Major Requirements: Music Core - Forty-two (42) minimum semester hours plus nineteen (19) semester hours as below:

Required Courses:

- MCAP325-426 Piano; MCAP331-432 Organ, MCAP341-442 Voice; or MCAP351-452 Instrument – Studio Applied Lessons (2,2,2,2)
- MCHL327, 329, 330 or 331 Voice/Instrument Literature (2)
- MCEN343-444 College Chorus or MCEN355-456 College Band (1,1,1,1)
- Three (3) semester hours of electives to be chosen with advisor
- MCTH415 Instrumentation and Orchestration (2)
- Proficiency in Piano
- Senior Graduation Recital (45 minutes)

The Bachelor of Arts Degree: Music Major B.A. with Jazz Emphasis

Major Requirements: Music Core - Forty-two (42) minimum semester hours plus nineteen (19) semester hours as below:

Required Courses:

- MCTH102 Studio Recording I (2) AT
- MCTH157 Jazz Improvisation (1)
- MCAP323, 324 Jazz Piano Applications and Techniques I and II (1,1)
- MCAP325-425 Jazz Piano; MCAP341-441 Jazz Voice; or MCAP351-451 Jazz Instrument Lessons (2,2,2)
- MCTH371 Composing and Arranging for Jazz Ensemble (2)
- MCEN371-472 Jazz Band (1,1,1,1)
- MCTH415 Orchestration and Instrumentation (2)
- Proficiency in Piano
- Senior Graduation Recital (45 minutes)

Bachelor of Music Education—Choral Supervision

Major Requirements (Piano): Music Core - Forty-two (42) minimum semester hours plus thirty-six (36) semester hours as below:

Required Courses:

- MCTH415 Instrumentation/Orchestration (2)
- MCED323 Advanced Conducting with Literature and Interpretation (2)
- MCEN343–443 College Chorus (1,1,1)
- MCAP325-425 Studio Applied Piano (2,2,2)
- MCAP323, MCAP324 Jazz Piano Applications & Techniques I and II (1,1)
- Piano Proficiency (variable)
- MCAP165, MCAP166 Voice Techniques I and II (1,1) AP
- MCED227, 228, 229, 230, 285, 385, 414, 424 and 434 Music Methods and Observation and Directed Teaching (19)
- Half-hour Graduation Recital.

For teacher certification and to complete the degree, the State of Michigan requires twenty-nine (29) semester hours in the School of Education as follows:

- | | | |
|---------|--------------|---------|
| — EN130 | — EN301 | — EN461 |
| — EN201 | — EN406 (SC) | — EN498 |
| — EN207 | — EN454 | |
| — EN209 | — EN456 | |

Major Requirements (Voice): Music Core - Forty-two (42) minimum semester hours plus thirty-six (36) semester hours as below:

Required Courses:

- MCTH415 Instrumentation/Orchestration (2)
- MCED323 Advanced Conducting with Literature and Interpretation (2)
- MCEN343–443 College Chorus (1,1,1)
- MCAP341-441 Studio Applied Voice (2,2,2)
- MCAP323, MCAP324 Jazz Piano Applications & Techniques I and II (1,1)
- Piano Proficiency (variable)
- MCAP125 Studio Applied Piano (2)
- MCED227, 228, 229, 230, 285, 385, 414, 424 and 434 Music Methods and Observation and Directed Teaching (19)
- Half-hour Graduation Recital.

For teacher certification and to complete the degree, the State of Michigan requires twenty-nine (29) semester hours in the School of Education as follows:

- | | | |
|---------|--------------|---------|
| — EN130 | — EN209 | — EN456 |
| — EN201 | — EN301 | — EN461 |
| — EN207 | — EN406 (SC) | — EN498 |
| — EN209 | — EN454 | |

NOTE: Music Education Majors with a Voice or Piano primary instrument could fulfill the requirements of the BM in Liturgical Music by completing additional coursework as follows: MCHL Literature in Applied area; Valenti Handbell Ensemble MCEN111–212; Theology TY131 (TF), 230 and 315; Music History MCHL/TY306 and MCHL307; one additional semester of MCAP Applied lessons and MCEN Chorus; Proficiency in Voice and Organ; and an Internship in Parish Music Ministry. See Music Department Chair to discuss this option.

Bachelor of Music Education—Instrumental Supervision

Major Requirements: Music Core - Forty-two (42) minimum semester hours plus thirty-six (36) semester hours as below:

Required Courses:

- MCTH415 Instrumentation/Orchestration (2)
- MCED323 Advanced Conducting with Literature and Interpretation (2)
- MCEN355–455 College Band (1,1,1)
- MCAP351-451 Studio Applied Instrument (2,2,2)
- MCAP323, MCAP324 Jazz Piano Applications & Techniques I and II (1,1)
- Piano Proficiency (variable)
- MCAP165, MCAP166 Voice Techniques I and II (1,1) AP
- MCED227, 228, 229, 230, 285, 386, 423, and 433 Instrumental Techniques and Music Observation and Directed Teaching (19)
- Half-hour Graduation Recital

For teacher certification and to complete the degree, the State of Michigan requires twenty-nine (29) semester hours in the School of Education as follows:

- | | | |
|---------|--------------|---------|
| — EN130 | — EN301 | — EN461 |
| — EN201 | — EN406 (SC) | — EN498 |
| — EN207 | — EN454 | |
| — EN209 | — EN456 | |

Bachelor of Music Degree: Liturgical Music Major

Major Requirements: Music Core - Forty-two (42) minimum semester hours plus thirty-five (35) semester hours as below:

Required Courses:

- MCTH341 Counterpoint (3)
- MCTH415 Instrumentation/Orchestration (2)
- MCED323 Advanced Conducting with Literature and Interpretation (2)
- MCHL/TY306 Music in Liturgical Celebration (3)
- MCHL307 Church Pastoral Musicians (3)
- MCHL327, 329, 330 or 331 Piano, Voice, Organ or Instrument Literature (2)
- MCAP165 Voice Techniques I (1) AP
- MCEN111–212 Valenti Handbell Ensemble (1,1,1,1)
- MCEN343–444 College Chorus (1,1,1,1)
- MCAP341-442 Studio Applied Voice; *OR* MCAP325-426 Studio Applied Piano; *OR* MCAP331-432 Studio Applied Organ; *OR* MCAP351-452 Studio Applied Guitar (2,2,2,2)
- Piano, Voice and Organ Proficiency (variable)
- MCAP397 Internship in Parish Music Ministry (3 hour minimum)
- Half-hour Graduation Recital
- Theology requirements: nine (9) semester hours as follows
 - TY131 (TF) -TY230 - TY315

Bachelor of Science in Business Administration Dual Major in Business and Music Major Requirements:

Seventy-one (71) semester hours minimum

Required Music Courses:

- MCTH113,114 Integrated Theory I and II (3, 3) AT
- MCTH115,116 Ear Training/Sight-Singing I and II (1, 1)
- MCTH102,202 Studio Recording I and II (2, 2) AT
- MCAP122,123 or MCAP123,124 Piano Classes (1, 1) AP
- MCHL213 Music History Survey (3) AT
- MCHL214 History of Popular Music (3) AT
- MCEN143,144 College Chorus *OR* MCEN155,156 College Band *OR* MCEN167,168 Chamber Ensemble *OR* MCEN171,172 Jazz Band (1,1) AP
- MCAP125,126 Piano *OR* MCAP131,132 Organ *OR* MCAP165,166 (AP),142 Voice *OR* MCAP151,152 Instrument (2,2)
- MCAP460 Music Production Project Capstone (1-3) SC
- CS152, MCTH/CS160 (AT), and MCTH/CS260 Technology (1,1,1)
- Internship in Music/Business Administration MCAP397 (3-12)

Required Business Courses

- | | | |
|---|--------------------------------|-----------------|
| — BS106 (3) (AP) | — BS202 (3) | — BS332 (3) |
| — BS201 (3) | — BS305 (3) | — BS460 (3) |
| — ES211 (3) SS1 | — MS151, MS252 <i>OR</i> MS494 | — AG210 (4) SS1 |
| — ES212 (3) SS1 | (3) | — AG211 (4) |
| — Three (3) semester hours selected from: | | |
| - BS442 | - BS457 | - BS492 |

Minor Programs

Music Minor

Minor Requirements: Twenty-one (21) semester hours in music

Required Courses:

- MCTH113,114 Integrated Theory I and II (3, 3) AT
- MCTH115,116 Ear Training/Sight-Singing I and II (1, 1)
- MCAP122 Group Piano OR MCAP123 Piano Techniques (1) AP
- MCAP Studio Applied Lessons on the same Instrument/Voice (165/166 AP) for six (6) semester hours
- MCEN143–243 College Chorus OR MCEN155—255 College Band (1,1,1) AP
- Three (3) semester hours of electives chosen in consultation with Music advisor

Minor in Liturgical Music

Minor Requirements: Twenty-four (24) semester hours

Required Courses:

- MCTH113,114 Integrated Theory I and II (3, 3) AT
- MCTH115,116 Ear Training/Sight-Singing I and II (1, 1)
- MCHL/TY306 Music in Liturgical Celebration (3)
- MCAP Applied Piano, Organ, Voice (165/166 AP) or Guitar for four (4) semester hours
- Piano or Organ Proficiency
- Nine (9) semester hours in Theology as follows—TY131 (TF), TY230 and TY315.

Music Theory Course Descriptions:

MCTH102 Studio Recording 1 (2) AT A ‘hands on’ introduction to the basics of sound recording. This class provides the opportunity to work on a personal project, while gaining knowledge of and experience with audio equipment, including the Pro Tools audio workstation.

MCTH104 Basics of Music (3) AT This is a general course in music (with no prior experience in music required) that introduces the fundamentals of basic musicianship: use of the keyboard, written notation, structures of western tonal and rhythmic practices, and aural skills. This course also serves as an introductory course for students interested in a major or minor in music.

MCTH113, 114 Integrated Theory (3,3) AT This two-semester sequence of courses is the study of the development of the materials of music, and the cultivation of an appreciation and understanding of musical style through comprehensive analysis and composition. Harmonic materials of the 17th through 20th centuries are correlated with instruction in written and keyboard harmony, beginning in MCTH113 with basic diatonic intervals and chord structure, and progressing in MCTH114 to common practice chord usage, including borrowed dominant harmonies. Analysis and composition studies culminate in a 16-measure original four-part chorale at the end of MCTH114. Prerequisite: MCTH104 or passing the Music Theory Proficiency Exam. MCTH/CS160 must be taken while enrolled in either of these courses. MCTH113 is a prerequisite for MCTH114.

MCTH115, 116 Ear Training/Sight-Singing I and II (1,1) This is the lab component of Integrated Theory 113, 114. Students learn to develop the ability to hear mentally what they see, as well as to reproduce it with their voices; to understand what they hear in musical sounds, as well as reproduce them in written form. Prerequisite: MCTH104 or passing the Proficiency Exam. MCTH115 is a prerequisite for MCTH114 and 116.

MCTH157, 257, 357, 457 Improvisation (1,1,1,1) Jazz Theory: beginning, intermediate, and advanced techniques. Direct applications will be made to your own applied instrument/voice.

MCTH/CS 160 MIDI Music Publishing (1) AT This course is designed to teach anyone, even non-musicians, how to create professional looking music scores quickly with the aid of the computer for personal use and for transporting music to other instruments. This course is currently taught using FINALE software. The course also discusses the principles of MIDI (Music Instrument Digital Interface) Sequencing, and Analog vs Digital Recording.

MCTH202 Studio Recording 2 (2) This class focuses on the use of audio effects, MIDI, sequencing, and learning to understand technical language such as audio specifications. As in the previous class, a personal project is used to experiment with newly acquired knowledge. Prerequisite: MCTH102.

MCTH203, 204 Integrated Theory (3,3) This class is designed to build upon the basic tenets of music theory covered in MCTH113/114. Over the course of two semesters a wide range of musical styles from the Baroque to the present will be explored. The emphasis is on more complex chords such as the Augmented 6ths, and larger forms such as those from the Classic and Romantic eras. Prerequisites: MCTH113–116 and MCTH/CS160; MCTH203, 205 are prerequisites for MCTH204, 206.

MCTH205, 206 Ear Training/Sight-Singing III and IV (1,1) Students will further hone their ability to notate melody, harmony, and rhythm accurately “by ear” through dictation exercises. In addition, students will improve their ability to sing melodies and broken chords in rhythm on sight through sight-reading exercises. They must be taken concurrently with MCTH203 and 204. Prerequisites: MCTH113–116 and MCTH/CS160.

MCTH210 Songwriting (3) AT This course is designed for any student who has ever felt the desire to attain self-expression, through the art of songwriting. Examples of highly effective song compositions will be studied. Basic harmonic chord structures will be taught with the use of guitar and piano as the accompanying instruments. Studies, exercises, and methods in the course will be focused on rhythm, lyrics, melody, harmony, rhythmic “feel/groove” and other expressive facets of music. Various song styles and forms will be studied, as well as Introductions and Endings. Students will compose songs within a group, in collaboration with partner lyricists/musicians, and by themselves. Ways to protect the intellectual properties (copyrights) of the writer(s) and promote one’s music will be studied.

MCTH/CS260 Advanced MIDI Music Publishing (1) This course is designed to enhance FINALE experience gained in MCTH/CS160 by giving the student working knowledge of MIDI (Music Instrument Digital Interface) Sequencing and Digital Audio Recording techniques through the use of the powerful computer-based Digital Audio Workstation software product known as Sonar X-1. Student will learn to record, edit, mix and master professional music tracks and export to mp3 and CD formats. Prerequisite: MCTH/CS160.

MCTH341 Counterpoint (3) Through score study and continual written practice, students will acquire the skills and techniques for writing counterpoint in the 18th century style. Prerequisites: MCTH204 and 206 or instructor approval.

MCTH343, 344 Composition (2,2) Individual lesson in composition. Fee. Prerequisite: MCTH203 and MCTH205.

MCTH352 Modern Analytical Techniques (2) The music of the twentieth century is remarkably diverse in its styles and techniques; there is no single common practice in this music, rather, a wide spectrum of materials and treatments. This course is designed to familiarize students with the most widely used of these, including extended tertian harmony, quartal and secondal harmony, church modes, pandiatonicism, polytonality, interval sets, atonalism, twelve-tone serialism, synthetic scales, rhythmic and metric devices, and changes in music notation that have occurred due to the composition of music with aleatoric elements. Analytical systems developed by prominent composer/theorists will be studied (e.g. Hindemith, Hanson, Forte) and used along with the analytical practices studied in earlier music theory courses. Compositions from the 20th Century will be considered in historical and analytical contexts. Prerequisite: MCTH204 and 206, MCHL350 and 351 or approval of department chairperson.

MCTH371, 372 Composing and Arranging for Jazz Ensemble (2,2) By the end of the semester, through the study and application of a variety of integrative analytical models, the composition and jazz arranging student will demonstrate competence in their ability to understand and express in verbal and written language, all facets under study of the various acoustic qualities of wind, and percussion instruments used in jazz plus an understanding of the conventional pitch range, transposition, and most characteristic scoring practices applied to all the musical instruments belonging to the aforementioned instrumental groupings. Prerequisites: MCTH203 and MCTH205 or instructor approval.

MCTH398 Readings in Music Theory (Variable) Independent study.

MCTH399 Independent Project (Variable) Independent study. Study may cover, but not be limited to, the following areas: studio recording project; advanced composition; arranging or sequencing with midi technology; Schenker analysis.

MCTH415 Instrumentation/Orchestration (2) Through the study and application of a variety of integrative analytical models, the instrumentation/orchestration student will demonstrate competence in their ability to understand and express in verbal and written language, all facets under study of the various acoustic qualities of string, wind, and percussion instruments plus an understanding of the conventional pitch range, transposition, and most characteristic

scoring practices applied to all the musical instruments belonging to the aforementioned instrumental groupings.

Prerequisite: MCTH352.

Music History and Literature Course Descriptions:

MCHL213 Music History Survey (3) AT This course is designed for the student who desires to cultivate an awareness of many repertoires and musical styles from earliest times to the present, through both a live performance and class listening survey of the world of music.

MCHL214 The History of Popular Music (3) AT Introduction to the many types of popular music; evolution, influence upon each other, personalities, times, and places; technological changes in means and media.

MCHL215 History of Jazz (3) AT, WI General introduction to jazz; origins of early jazz, places and styles of jazz development; emphasis on live and recorded music.

MCHL/TY306 Music in Liturgical Celebration (3) Integrated study of music and liturgy; historical, theological study of basic liturgy and function of music in liturgy; musician's role in a parish.

MCHL307 Church Pastoral Musicians (3) This course is designed for the Liturgical Music major or minor student as the second of two courses addressing the role of the church music director. In this course, students will be examining the application of the documents and practices studied in MCHL306. Class topics will include interacting with the parishioners (adults and children), staff, priests/minister and other church groups, volunteer recruitment, developing musical groups, cantor training, building an inclusive parish repertoire, "I have to prepare a budget?", time management, parish assistantships, and training lay parish ministers. Prerequisite: MCHL/TY306

MCHL310 Special Topics in Music (3)

MCHL327 Piano Literature (2) Study of representative works of each era beginning with early organ and harpsichord music to Baroque, Classic, Romantic, and contemporary works. Prerequisites: MCAP126.

MCHL329 Vocal Literature and Pedagogy (2) Survey of vocal music for solo voice from the 17th century to present; application of the IPA system; review interpretive technique in all stylistic periods; study of the anatomy of the voice and current voice methods, texts and journals. Prerequisite: MCAP142.

MCHL330 Instrumental Literature (2) History of the instrument specific to student's applied area, through the examination of its literature and interpretation from its beginning to the present. Prerequisite: MCAP152.

MCHL331 Organ Literature (2) History of the organ, its literature and registration from earliest times to present. Prerequisite: MCAP132.

MCHL350 Music History and Literature I (3) AT, WI This course is designed to cultivate an awareness of the development of western music from Antiquity through the Classic Period. Students will gain knowledge and familiarity with the historical events, styles, forms, instruments, composers and compositions representative of the eras studied. Prerequisite: MCTH114 and MCTH116, or approval of department chairperson.

MCHL351 Music History and Literature II (3) This course is designed to cultivate an of the development of western music from the Romantic Period through present day. Students will gain knowledge and familiarity with the historical events, styles, forms, instruments, composers and compositions representative of the eras studied. Students will also be introduced to world music. Prerequisite: MCTH114 and 116, or approval of department chairperson.

MCHL360 Recital Seminars (1) SC This course is intended to encompass the preparation, execution and reflection process of a successful Junior or Senior Recital. A seminar with related assignment on each of the following topics will be included: successful recital planning overview, application and office forms, communications needed for a successful recital, repertoire planning and selection, publicity, and the writing process as it relates to program notes and a 'thank you' paragraph to be included on the recital program. Prerequisite: Student must be enrolled at or above 4th semester level of MCAP Studio Applied Lessons concurrently and be recommended by that lesson instructor.

MCHL398 Readings in Music History and Literature (Variable)Independent study.

MCHL399 Independent Project (Variable) Independent study. Fee may be required.

Music Education Course Descriptions:

MCED227 Brass Techniques Course (1) Designed to prepare pre-service teachers with the skills and knowledge of current brass (trumpet, fr. horn, trombone, euphonium/baritone and tuba) methodology and materials needed to successfully instruct students in public and private schools with the further goal of developing and maintaining a band or orchestra program. Philosophy, curriculum, administration and classroom management in relation to the band/orchestra program will be discussed. Prerequisites: MCTH113, 114, 115, 116; EN201 is pre- or co-requisite; cumulative GPA of 3.0.

MCED228 Strings Techniques Course (1) Designed to prepare pre-service teachers with the skills and knowledge of current violin, viola, cello and bass methodology and materials needed to successfully instruct students in public and private schools with the further goal of developing and maintaining an orchestra program. Philosophy, curriculum, administration and classroom management in relation to the orchestra program will be discussed. Prerequisites: MCTH113, 114, 115, 116; EN201 is pre- or co-requisite; cumulative GPA 3.0.

MCED229 Woodwind Techniques Course (1) Designed to prepare pre-service teachers with the skills and knowledge of current flute, clarinet, saxophone, oboe and bassoon methodology and materials needed to successfully instruct students in administration and classroom management in relation to the band/orchestra program to be discussed. Prerequisites: MCTH113, 114, 115, 116; EN201 pre- or co-requisite; cumulative GPA: 3.0

MCED230 Marching Band and Percussion Techniques (1) Designed to prepare pre-service teachers with the skills and knowledge to successfully coordinate and prepare a high school marching band program of any size, and to introduce the current methods of percussion pedagogy and literature in public and private schools. Philosophy, curriculum, administration and classroom management in relation to the band/orchestra program will be discussed. Prerequisites: MCTH113, 114, 115, 116; EN201 is pre- or co-requisite; Cumulative GPA of 3.0.

MCED285 Elementary General Music Methods and Materials (4) Principles, procedures, and materials used in grades K-6. National and State Standards in K-6 music education will be integrated into the course material, as well as the development of Classroom Management Plan. Prerequisites: MCTH113, 114, 115, 116; EN201 is pre- or co-requisite; cumulative grade point average of 3.0

MCED310 Special Topics in Music Education (3) Prerequisite: Sophomore standing; EN201 is pre- or co-requisite; cumulative grade point average of 3.0

MCED315 Conducting Fundamentals (1) Offered both as a basic course in conducting and concurrently with MCED323 as a one-semester course requirement for all in the Choral and Instrumental music education as well as Liturgical Music programs, students in this course will learn and be drilled in the common, as well as some complex, meter conducting patterns. Cueing and basic interpretive gestures will be included. Prerequisite: MCTH113, 114, 203, 204; EN201 is pre- or co-requisite for Music Education majors; cumulative grade point average of 3.0; or approval of department chairperson.

MCED323 Advanced Conducting with Literature and Interpretation (2) Building on the foundation provided in MCED315, MCED323 is designed to give the student conductor pursuing music education, church music, conducting or graduate school an experience with and an awareness of the body of literature from the masterworks and representative composers, and the appropriate performance practices associated with these works. In addition, students will research repertoire appropriate for use in middle school, high school and community music programs; and learn how to combine repertoire into a concert program. Compositions will differ each time the course is offered and will be selected from each of the stylistic music periods. The practical application of conducting and score study within each of the various styles will be featured. Prerequisites: Sophomore status, MCED315, or approval of Chairperson.

MCED385 Secondary Choral Methods and Materials (3) This course is designed to provide Choral Supervision students with the methods, materials and experiences needed to be successful teachers at the Junior/Senior High School level. This course is complimented by MCED315 Conducting Fundamentals and MCED323 Advanced Conducting with Literature and Interpretation. Philosophy of music education and the National and State Standards in music education will also be studied. Prerequisite: MCED285; EN201 is pre- or co-requisite; cumulative grade point average of 3.0

MCED386 Secondary Band and Orchestra Methods (3) This course is required for the BMed Instrumental /Supervision major as the primary course designed to engage students with the methodology and materials used in teaching instrumental music, specifically band and orchestra, at the secondary level. Topics covered will include: the history of music education in schools, philosophies of music education, working with adolescent wind, string, and

percussion instrumentalists, music technology, performance and non-performance classes, festivals and associations, planning, budgeting and classroom management.

MCED398 Readings in Music Education (Variable) Independent study. EN201 is pre- or co-requisite.

MCED399 Independent Project (Variable) Independent study. Fee may be required. EN201 is pre- or co-requisite.

MCED414 Observation and Directed Teaching Elementary Music (3) Offered fall and spring semesters only. This course is the Elementary Music Choral section required of all B.M.Ed. in Choral Supervision candidates. During the Student Teaching semester (12 semester hours total), the candidate will complete a minimum 14-week internship in local Elementary, Middle and Secondary schools under the direct supervision of experienced certified and tenured Music Teachers. Weekly seminars and weekly journal writing, assigned readings, full-time teaching. Placements are made and secured no less than one semester in advance through the School of Education in consultation with the Music Department. Pre- and co-requisites: All other BMed degree requirements must be completed; student must also register for MCED433 and EN498 and apply to the School of Education in the preceding semester (September 15 or January 15). Acceptance by screening committee of the School of Education prior to enrollment in course and school placement.

MCED423 Observation and Directed Teaching Elementary and Junior High - Instrumental (4) Offered fall and Spring semesters only. This course is the Elementary and Junior High - Instrumental section required of all B.M.Ed. in Instrumental Supervision candidates. During the Student Teaching semester (12 semester hours in total), the candidate will complete a minimum 14-week internship in local Elementary, Middle and Secondary schools under the direct supervision of experienced certified and tenured Music Teachers. Weekly seminars and weekly journal writing, assigned readings, full-time teaching. Placements are made and secured no less than one semester in advance through the School of Education in consultation with the Music Department. Pre- and co-requisites: All other BMed degree requirements must be completed; student must also register for MCED433 and EN498 and apply to the School of Education the preceding semester (September 15 or January 15). Acceptance by screening committee of the School of Education prior to enrollment in course and school placement.

MCED424 Observation and Directed Teaching Junior High Choral (2). Offered fall and spring semesters only. This course is the Junior High - Choral section required of all B.M.Ed. in Choral Supervision candidates. During the Student Teaching semester (12 semester hours in total), the candidate will complete a minimum 14-week internship in local Elementary, Middle and Secondary schools under the direct supervision of experienced certified and tenured Music Teachers. Weekly seminars and weekly journal writing, assigned readings, full-time teaching. Placements are made and secured no less than one semester in advance through the School of Education in consultation with the Music Department. Pre- and co-requisites: All other BMed degree requirements must be completed; student must also register for MCED414, 434 and EN498 and apply to the School of Education the preceding semester (September 15 or January 15). Acceptance by screening committee of the School of Education prior to enrollment in course and school placement.

MCED433 Observation and Directed Teaching Senior High - Instrumental (4) Offered fall and Spring semesters only. This course is the Senior High - Instrumental section required of all BMed. in Instrumental Supervision candidates. During the Student Teaching semester (12 semester hours in total), the candidate will complete a minimum 14-week internship in local Elementary, Middle and Secondary schools under the direct supervision of experienced certified and tenured Music Teachers. Weekly seminars and weekly journal writing, assigned readings, full-time teaching. Placements are made and secured no less than one semester in advance through the School of Education in consultation with the Music Department. Pre- and co-requisites: All other BMed degree requirements must be completed; student must also register for MCED423 and EN498 and apply to the School of Education the preceding semester (September 15 or January 15). Acceptance by screening committee of the School of Education prior to enrollment in course and school placement.

MCED434 Observation and Directed Teaching Senior High - Choral (3) Offered fall and Spring semesters only. This course is the Senior High - Choral section required of all BMed. in Choral Supervision candidates. During the Student Teaching semester (12 semester hours in total), the candidate will complete a minimum 14-week internship in local Elementary, Middle and Secondary schools under the direct supervision of experienced certified and tenured Music Teachers. Weekly seminars and weekly journal writing, assigned readings, full-time teaching. Placements are made and secured no less than one semester in advance through the School of Education in consultation with the Music Department. Pre- and co-requisites: All other BMed degree requirements must be completed; student must also register for MCED414, 424 and EN498 and apply to the School of Education the preceding semester (September 15 or January 15). Acceptance by screening committee of the School of Education prior to enrollment in course and school placement.

MCED437, MCED438 Piano Pedagogy (2,2) Principles, procedures, and materials for instruction of piano in early, intermediate, and advanced levels. Applied Studies and Ensembles

Applied Studies and Ensembles

MCAP122 Group Piano Class (1) AP Group approach to beginning piano skills. This class is taught in the AMC piano lab.

MCAP123, 124 Piano Techniques I and II (1,1) AP Required for the first year music major, Piano Techniques I and II are a sequence of two courses which are skill-based courses designed to give the Music major or minor a solid and focused beginning in melodic, harmonic, and scalar playing on the piano. Classes are taught in the AMC piano lab. Prerequisites: Must be able to read music in both the treble and bass clefs. Successful completion (a grade of B- or higher) in MCAP123 to advance to MCAP124. Prerequisites: Grand staff reading and its relationship to the keyboard.

MCAP125, 126, 225, 226, 325, 326, 425, 426 Studio Applied Piano (2) Eight-semester sequence of private piano lessons at the college level. Repertoire will survey Baroque, Classic, Romantic, Impressionistic, 20th C. and Contemporary works of increasing demands as the semesters continue. Fee.

MCAP125, 126, 225, 226, 325, 326, 425, 426 Jazz Piano (2) Eight-semester sequence of private piano lessons at the college level. Repertoire will survey Jazz styles and development, increasing in demands as the semesters continue. Fee.

MCAP131, 132, 231, 232, 331, 332, 431, 432 Studio Applied Organ (2 each) Four-year sequence of private study at the college level. Fee.

MCAP138, 139 Group Guitar Class (1, 1) AP Group approach to guitar playing with attention to reading tablature, notation, and performance techniques.

MCAP141, 142, 241, 242, 341, 342, 441, 442 Studio Applied Voice (2) Eight-semester sequence of private voice lessons at the college level. Repertoire will begin with Baroque and 20th C. literature, then progress through Classic, Romantic and Contemporary songs and arias of increasing demands as the semesters continue. Prerequisites: MCAP165/166. Fee.

MCAP141, 142, 241, 242, 341, 342, 441, 442 Jazz Voice (2) Eight-semester sequence of private voice lessons at the college level. Repertoire will survey Jazz styles and development, increasing in demands as the semesters continue. Prerequisites: MCAP165/166. Fee.

MCAP141, 142, 241, 242, 341, 342, 441, 442 Contemporary Commercial Voice (2) Eight-semester sequence of elective private voice lessons at the college level. Repertoire will survey 20th C. and 21st C. commercial music genres (musical Theatre, Pop, Rock, Country, etc.), increasing in demands as the semesters continue. Prerequisites: MCAP165/166. Fee.

MCAP151, 152, 251, 252, 351, 352, 451, 452 Studio Applied Instrumental (2) Four-year sequence of private study at the college level. Instruction in string, woodwind, percussion, or brass instruments. See semester schedule for instrument specific course and section numbers. Classical and Jazz sections are offered. Fee.

MCAP151, 152, 251 252, 315, 352, 451, 452 Jazz Instrument (2) Eight-semester sequence of private instrument lessons at the college level. Repertoire will survey Jazz styles and development, increasing in demands as the semesters continue. Fee.

MCAP165, 166 Voice Techniques Class I and II (1,1) AP All beginning voice majors, minors or elective students will gain the necessary foundation, through study, exercises and songs, for successful vocal development at the college level. Study of a variety of song literature, the anatomy and physiology of the voice, Alexander Technique, and other current techniques will be incorporated as the basis for building a strong and healthy singing life or vocal career. Prerequisites: Successful completion (a grade of B- or higher) in MCAP165 to advance to MCAP166.

MCAP217 Accompanying Fundamentals (2) Designed as an introductory course in basic techniques of accompanying through lecture, listening, and practical experience. Prerequisite: Basic keyboard skills; permission of instructor.

MCAP318 Accompanying Practicum (2) A continuation of Accompanying Fundamentals with practical application of skills in a performance setting. Prerequisite: MCAP217.

MCAP323, 324 Jazz Piano Applications and Techniques I and II (1,1) A two-semester course in jazz techniques and applications designed specifically for music education majors. Because the piano is the most comprehensive and immediate source of tonal harmony in all music, particularly jazz, the course will necessarily center on the piano techniques required to explore, direct and understand the specifics of jazz harmony as they apply to the musical structures

and various styles found in jazz performance. Classes are taught in the AMC piano lab. Prerequisites: Successful completion (a grade of B- or higher) in MCAP123, 124; and in MCAP323 to advance to MCAP324.

MCAP397 Music Internship (3-12) Required for the BM in Liturgical Music major (Parish Setting) and the B.S.B.A. Dual Major in Business and Music (business or organization setting). All internships must go through the AQ Advantage Center in consultation with the Music department chairperson. Prerequisite: Junior or Senior status.

MCAP399 Independent Project (Variable) Independent study. Fee may be required.

MCAP460 Music Production Project (1-3) SC The Senior Capstone MCAP460 Music Production Project is designed for the student in the B.S.B.A. Dual Major in Business Administration and Music or the B.A. in Music as an independent study course focused on planning and carrying out some, if not all, aspects of producing, marketing, and promoting a performing group, ensemble, soloist or artist presenting a Music Department concert or event. Prerequisites: The student must be at the Junior or Senior level in the B.S.B.A. Dual Major in Business Administration and Music or the B.A. in Music. Others need approval of the Music department chairperson.

MCAP462 Advanced Private Lessons (1-2 each) Additional semesters of Studio Applied, Jazz or Contemporary Commercial lessons at the college level due to student having already completed the eight-semester sequence of lessons for their voice/instrument, yet desiring to continue in preparation for a recital, graduate school or other auditions, or for further musical and technical development. Prerequisite: eight semesters of study previously taken for voice/instrument. Fee: see semester course schedule.

Music Ensemble Courses

MCEN111, 112, 211, 212, 311, 312, 411, 412 Valenti Handbell Ensemble (1 each) Study and performance of original compositions and transcriptions of literature for handbells. An audition may be required.

MCEN143, 144, 243, 244, 343, 344, 443, 444 College Chorus (1 each) AP Performance of vocal literature: masterworks to current styles. No audition required.

MCEN155, 156, 255, 256, 355, 356, 455, 456 College Band (1 each) AP Performance of concert band literature: masterworks to current styles. Open to those with instrumental experience.

MCEN158, 258, 358, 458 Jazz Combo, Instrumental or Vocal (1 each) Application and theory of jazz improvisation techniques.

MCEN167, 168, 267, 268, 367, 368, 467, 468 - Chamber Ensembles (1 each) AP Flute (S1), Women's Chorus (S2), Guitar Ensemble (S3), Chamber Strings (S4), Collegiate Singers (S5) and Other (1 each) Smaller Ensembles specializing in the varied literature for that family of instruments or voices. These are offered when strong student interest exists.

MCEN171, 172, 271, 272, 371, 372, 471, 472 Jazz Band (1 each) AP Standard and original jazz literature performed. Audition required.

MCEN/TE250 Musical Theater Workshop (2) Exploring the actor/singer/dancer by concentrating on acting the song, vocal production, dance, musical theatre auditions, and performance. Rehearsals outside of class are required. Prerequisite: TE141 and MCAP166 or consent of instructor. Can be repeated once as TE/MCEN350.

MCEN399 Independent Project (Variable) Independent study. Fee may be required.

MCEN482 Advanced Ensemble Performance (1 each) Additional semesters of vocal or instrumental ensemble performance at the college level due to student having already completed the eight-semester sequence of the particular ensemble, yet desiring to continue in preparation for graduate school or other auditions, or for further musical or technical development. Prerequisite: eight semesters of study previously taken for voice/instrument. Fee: see semester course schedule.

Nursing

Suzanne Keep, Ph.D., R.N. Chair;

Robi Thomas Ph.D., RN, FPMHNP-BC; Sr. Linda Thiel OP, Ph.D., RN;

Becky Nauta MSN,RN, CNML; Kathy Moran DNP, RN, COE, FAADE, Add Ivy Razmus Ph.D., RN, WOCN

Bachelor of Science in Nursing in Grand Rapids. The University of Detroit Mercy, Aquinas College and Mercy Health Saint Mary's have partnered to bring the University of Detroit Mercy BSN degree to West Michigan.

The curriculum is built upon a foundation of liberal arts and theoretical sciences. Liberal arts/general education and nursing courses will be offered at Aquinas College. The curriculum is equivalent to the University of Detroit BSN pre-licensure program. It requires four years of study, including all class work at Aquinas taught by Aquinas College and University of Detroit Mercy faculty, and clinical experience at Mercy Health Saint Mary's facilities throughout West Michigan.

University of Detroit Mercy provides credits in all the nursing and support courses, microbiology, nutrition, pharmacology and pathophysiology. Aquinas provides credits in liberal arts and science courses which have been approved by the University of Detroit Mercy Core Curriculum Committee. Students graduate with a Bachelor of Science in Nursing from the University of Detroit Mercy. This unique partnership has been approved by the Michigan Board of Nursing and the NLNAC.

University Core Curriculum. All undergraduate degree students at University of Detroit Mercy are required to fulfill the objectives of the University's Core Curriculum. The curriculum consists of courses designed to meet objectives which ensure that students receive an overall education consistent with the mission of the University.

MSON Pre-licensure Curriculum:

Effective Fall 2014 for Aquinas Campus

Year 1: First Semester: sixteen (16) Credits

- BY155: Anatomy/Physiology 1 & lab
- MS101: Intermediate Algebra
- GE101 Inquiry and Expression
- PG100: Introduction to Psychology
- NUR 1000: Freshman Success
- OB5A History objective

Year 1: Second Semester: sixteen (16) Credits

- BY156: Anatomy/Physiology 2&lab
- CY156 Chemistry
- SY101: Introduction to Sociology
- CN101 Speech
- PH 101 Intro to Philosophical Thinking
- NUR 1010 Freshman Success

Year 2: First Semester: sixteen (16) Credits

- BYN230 Microbiology and Lab
- NUR3380 Pathophysiology
- NUR2100 Intro to Nursing Practice In Mercy and Jesuit Traditions
- BIO2040: Nutrition
- OB5B Objective

Year 2: Second Semester: seventeen (17) Credits

- PG 380 Lifespan Developmental for Health Services
- NUR2200: Health Assessment and Physical Examination
- NUR2500: Fundamentals of Nursing Practice
- NUR2520: Fundamental Skills lab
- NUR2540: Fundamental of Practicum
- HLH2550: Population Health & Epidemiology
- NUR2120: Nursing Informatics

Year 3: First Semester: fifteen (18) Credits

- NUR3100: Mental Health Nursing
- NUR3150: Mental Health Practicum
- NUR3200: Med/Surg1 Nursing
- NUR3210: Med/Surg1 Practicum
- NUR3300: Pharmacology 1
- PH 244 Medical Ethics
- OB4B Religion

Year 3: Second Semester: fifteen (15) Credits

- NUR3310: Pharmacology II
- NUR3800: Maternal Child Nursing
- NUR3810: Maternal Child Practicum
- MS151 Statistics
- NUR 4100 Pediatric Nursing
- NUR 4150 Pediatric Nursing Practicum

Year 4: First Semester: sixteen (16) Credits

- NUR 3700 Med-Surg II
- NUR 3750 Med-Surg II Practicum
- NUR4300 Community Health Nursing
- NUR4350: Community Health Nursing Practicum
- NUR4500: Nursing Research & EBP
- OB5D Objective, Cultural Comparative

Year 4: Second Semester (15) Credits

- NUR 4600 Nursing Leadership
- NUR4650 Nursing Leadership Immersion
- NUR 4755 Professional Practice from Mercy and Jesuit Perspectives
- OB4C 2nd Religion or philosophy
- OB5C objective
- NUR 4652 Senior Seminar

Total Credits: 129

Supportive core MUST earn C or better in these courses in order to progress. The supportive core courses are:

- BY155 (NL)
- BY156,
- CY155,
- CY156
- PG100
- PG380
- MS101
- SY101
- PH244
- MS151

Nursing core - must earn C or higher in all Nursing (NUR) courses.

There are other requirements in addition to course work.

The following courses with a BIO, BYN or NUR designation are University of Detroit Mercy courses. Descriptions and credit for these courses are provided through the University of Detroit Mercy.

Course Descriptions:

BIO2040 Applied Nutrition (3) Principles of normal nutrition, emphasis on functions, requirements, sources, deficiencies of nutrients in all stages of the life cycle. Weight control, energy balance and nutritional assessments are discussed.

BYN230 Microbiology for the Health Sciences (4) Pre-requisites: BY155, BY156.

NUR 1000 Freshman Success Seminar I: Developing the Skills You Need to Succeed in the Traditional BSN Program (0) The purpose of this course is to assist freshman nursing students in successfully transitioning from high school to higher education. This course focuses on 1) developing strong study, organizational, and coping skills; 2) familiarizing the student with university and department resources to aid in their academic success; and 3) increasing the student's engagement in the McAuley School of Nursing (MSON) during their freshman year when they complete foundational science courses, but otherwise are not enrolled in core nursing courses. Past research has shown that students are most successful when they feel connected and supported both academically and socially during their educational experience, particularly their first year (Tinto, 1993; Jeffries, 2004; Stokes, 2013; Strayhorn, 2008). There are typically six large group sessions purposely scheduled over the entire academic year during times that do not interfere with the required Freshman class schedule in order to facilitate attendance and participation. Students will also be assigned small group

“learning circles,” which will allow them to get to know several peers in a more personal way and establish a circle of support. Part I focuses on study habits, stress management and test taking.

NUR 1010 Freshman Success Seminar II: Developing the Skills You Need to Succeed in the Traditional BSN Program (0) The purpose of this course is to assist freshman nursing students in successfully transitioning from high school to higher education. This course focuses on 1) developing strong study, organizational, and coping skills; 2) familiarizing the student with university and department resources to aid in their academic success; and 3) increasing the student’s engagement in the McAuley School of Nursing (MSON) during their freshman year when they complete foundational science courses, but otherwise are not enrolled in core nursing courses. Past research has shown that students are most successful when they feel connected and supported both academically and socially during their educational experience, particularly their first year (Tinto, 1993; Jeffries, 2004; Stokes, 2013; Strayhorn, 2008). There are typically six large group sessions purposely scheduled over the entire academic year during times that do not interfere with the required Freshman class schedule in order to facilitate attendance and participation. Part II focuses on developing professional contacts, behaviors, and networking for success; as well as academic and career planning.

NUR2100 Introduction to Nursing Practices in Mercy and Jesuit Traditions (2) This course focuses on the development of self-awareness and person centered care for nurses graduating in the Mercy and Jesuit traditions. Students are taught the meaning of Mercy and Jesuit care, health of people and safety & quality issues. In addition, the concepts of person centered care, communication, evidenced based practices, art of nursing and teamwork and collaboration are addressed. Development of a philosophy in the Mercy and Jesuit traditions of care in a professional nursing role is approached from a perspective of historical tradition, spirituality, social justice, reflective thinking and a values-centered professional education. An introduction to servant leadership with service to the community is included. Prerequisites: PG100

NUR 2120 Nursing Informatics (3) This course will provide students with foundational knowledge and skills in nursing informatics necessary for the safe provision of nursing care. Core concepts of nursing informatics will be introduced including data, information, and knowledge. Students will gain a basic understanding of computers and how they work, as they gain technical competencies of nurse generalists in practice. Students will apply technology to nursing practice including the use of the electronic health record (EHR) for documentation and coordination of clinical care. The systems life cycle will be introduced, including the nurse generalist’s role in the design, selection, implementation and evaluation of technology to support patient care. The use of nursing informatics to support patient safety and enhance patient outcomes will be addressed including decision support and information management functions that lead to best practices.

NUR 2200 Health Assessment and Physical Examination (2) This course focuses on the process of health assessment of adults. Utilizes communication & interviewing techniques to obtain a basic health history that incorporates spiritual, socio-cultural, psychological, and physical dimensions. Person centered caring practices are expanded to include issues of privacy, confidentiality, and responses to diversity. Medical terminology and abbreviations are reinforced including proper documentation of history and assessment findings. Laboratory experience provides students with opportunities to perform specific physical assessments. Corequisites: NUR 2500 NUR 2520 NUR 2540 NUR 2520 NUR 2540

NUR 2500 Fundamentals of Nursing Practice (3) This course introduces the nursing process as a strategy for making evidence based clinical judgments. Mercy and Jesuit values are reinforced as the foundation for implementing person centered care to meet the physiological and psychosocial needs of adult patients in various health care settings.

Maintaining and improving the health of people are presented incorporating safety and quality standards. Prerequisites:

- MS 1010
- MS 1040
- CY156
- PG 100
- GE101
- BY 155
- BY 156
- SY 101

NOTE: Minimum Grade of C, May not be taken concurrently : Corequisites: NUR 2200

NUR 2520 Nursing Skills Lab (1) This laboratory course emphasizes development of psychomotor skills necessary to maintain or improve the health of people. Underlying scientific principles and evidence to support effectiveness of procedures are discussed. Critical thinking skills are challenged to recognize and react to unexpected situations when carrying out skills and procedures. Prerequisites:

- MS 1010
- MS 1040
- CY156
- PG 100
- GE101
- BY 155
- BY 156
- SY 101

NOTE: Minimum Grade of C, May not be taken concurrently: Corequisites: NUR 2500 NUR 2540

NUR 2540 Fundamentals of Nursing Practicum (2) This clinical course provides students with the opportunity to impact the health of people in acute and subacute care settings under the supervision of clinical instructors. Assessment skills and nursing procedure skills are carried out with attention to safety, infection control, and human dignity considerations. Prerequisites: NUR 3380 (Minimum Grade of C, May not be taken concurrently) Corequisites: NUR 2200 NUR 2500; Pre-req NUR 2520

NUR 3100 Mental Health Nursing (3) This course provides the theoretical base to prepare nurses to become competent (synergy) to meet the mental health and psychiatric needs of people. The interrelationship between the physical, mental & spiritual characteristics of patients (synergy) is examined. Social justice from a Mercy and Jesuit perspective in addition to safety & quality issues related to adult mental health patients are explored within the framework of health care delivery systems. Prerequisites:

- NUR 2200
- NUR 2500
- NUR 2520
- NUR 2540
- PG380

NOTE: Minimum Grade of C, May not be taken concurrently: Corequisites: NUR 3150

NUR 3150 Mental Health Nursing Practicum (2) During this clinical course, students practice learned mental health theories in clinical settings under the supervision of clinical instructors. Leadership and systems thinking concepts are expanded and practiced in the mental health clinical setting. Prerequisites:

- NUR 2540
- NUR 2200
- NUR 2500
- NUR 2520
- NUR 2540
- PG380

NOTE: Minimum Grade of C, May not be taken concurrently: Co-requisites: NUR 3100

NUR 3200 Medical Surgical Nursing I (3) This course is the first of a two semester medical surgical sequence. Emphasis is placed upon assessment and management of physical and psychological symptoms related to common diseases and treatments and anticipation and management of health-related complications. Social, physical, psychological, and spiritual responses of the individual throughout the course of illness will be addressed.

NUR 3210 Medical Surgical Nursing I Practicum (2) This clinical experience integrates principles from nutrition, pharmacology, pathophysiology and nursing science to provide a foundation for clinical judgement and decision making. Emphasis is placed on application of the nursing process to individuals with common/recurring acute and chronic illnesses. Prerequisites:

- NUR 2200
- NUR 2500
- NUR 2520
- NUR 2540

NOTE: Minimum Grade of C, May not be taken concurrently: Corequisites: NUR 3200

NUR 3300 Pharmacology I (2) This course is the beginning of a two semester sequence focusing on preparing nursing students with a foundation of the basic principles and concepts of pharmacology and pharmacotherapeutics. Major drug categories will be presented as they relate to the management and treatment of specific disease states discussed in other nursing courses within the same semester. The course will assist the student in outlining: drug classes, therapeutic uses, general and adverse side effects, as well as drug interactions. Implications associated with the administration, monitoring, access to medications, and nursing interventions are incorporated. Prerequisites:

- NUR 2100
- NUR 2120
- NUR 2200
- NUR 2500
- NUR 2520
- NUR 2540

NOTE: Minimum Grade of C, May not be taken concurrently

NUR 3310 Pharmacology II (2) This course is the second part of a two semester sequence focusing on preparing nursing students with a foundation of the basic principles and concepts of pharmacology and pharmacotherapeutics. Major drug categories will be presented as they relate to the management and treatment of specific disease states discussed in other nursing courses within the same semester. The course will assist the student in outlining: drug classes, therapeutic uses, general and adverse side effects, as well as drug interactions. Implications associated with the administration, monitoring, and nursing interventions are incorporated. Prerequisites: NUR 3300 (Minimum Grade of C, May not be taken concurrently)

NUR3380 Pathophysiology (4) Introductory study of disease, its causes, and the body changes that accompany it. Specific diseases are discussed, including the pathogenesis as well as the morphological and physiological basis of the

manifestation of each disease. Treatment of each disorder, including the rationale of the therapy, is also discussed. Prerequisites: BY155, BY156. Co-requisite: NUR2860, NUR2870, NUR2800.

NUR 3800 Maternal Child Nursing (3) This course provides the knowledge and conceptual base for nursing care of women and their families in childbearing and across the lifespan in both health and illness dimensions from a Mercy and Jesuit perspective. The course will focus on the characteristics of women and their childbearing health while developing leadership skills and systems thinking within obstetrical health care settings. Pre-requisites:

- NUR 3100
- NUR 3150
- NUR 3200
- NUR 3210
- NUR 3300

NOTE: Minimum Grade of C, May not be taken concurrently: Co-requisites: NUR 3810

NUR 3810 Maternal Child Nursing Practicum (2) During this clinical course, students practice learned obstetrical theories in clinical settings under the supervision of clinical instructors. Leadership and systems thinking concepts are further expanded and practiced in women's health clinical settings Prerequisites:

- NUR 3100
- NUR 3150
- NUR 3200
- NUR 3210
- NUR 3300

NOTE: Minimum Grade of C, May not be taken concurrently: Co-requisites: NUR 3800

HLH 2550 Population Health and Epidemiology (3) This course will explore the determinants of health outcomes within groups of individuals. The health outcomes of morbidity, mortality, quality of life and disparities will be examined through the reciprocal determinant factors of health, individual behavior, social environment, physical environment, and genomics. The student will analyze how policies and programs impact health outcomes within current urban and global health care settings. Prerequisites: BIO2410 (Minimum Grade of C, May not be taken concurrently) AND BIO 2420 (Minimum Grade of C, May not be taken concurrently)

NUR 4100 Pediatric Nursing (3) This course provides the theoretical base to prepare nursing students to become competent to care for children and their families from a Mercy and Jesuit perspective. The course focuses on the characteristics of children and their relationship with their families. The health of pediatric patients while developing leadership skills and systems thinking within a variety of health care settings will be emphasized. Pre-requisites:

- NUR 3100
- NUR 3150
- NUR 3200
- NUR 3210
- NUR 3300

NOTE: Minimum Grade of C, May not be taken concurrently: Co-requisites: NUR 4150 Pediatric Nursing Practicum

NUR 4150 Pediatric Nursing Practicum (2) During this course, students practice learned pediatric theories in health care settings under the supervision of clinical instructors. Leadership and systems thinking concepts are further expanded and practiced in health care settings pertaining to children. Prerequisites:

- NUR 3100
- NUR 3150
- NUR 3200
- NUR 3210
- NUR 3300

NOTE: Minimum Grade of C, May not be taken concurrently: Corequisite: NUR 4150

NUR 3700 Medical Surgical Nursing II (3) This course is the second of a two semester medical surgical courses.

Prerequisites:

- NUR 3100
- NUR 3150
- NUR 3200
- NUR 3210
- NUR 3300

NOTE: Minimum Grade of C, May not be taken concurrently: Co-requisites: NUR 3750

NUR 3750 Medical Surgical Nursing II Practicum (2) This clinical experience uses principles from psychiatric nursing, adult health nursing, pharmacology, pathophysiology and the social sciences to provide a foundation for clinical judgment and decision making. Application of the nursing process is emphasized in acute care. In addition to addressing the care of individuals, students will engage in collaboration, delegation, and prioritization skills. Prerequisites:

- NUR 3100
- NUR 3150
- NUR 3200
- NUR 3210
- NUR 3300

NOTE: Minimum Grade of C, May not be taken concurrently: Corequisite: NUR 3700

NUR 4300 Community Health Nursing (3) This course focuses on the dynamic relationship between the health of the community and the development of inter-professional partnerships to promote health and prevent disease. Healthy People

indicators, principles of epidemiology, and public health will be discussed including health care access, environmental health, ethical issues and cultural aspects of health behavior. Students will analyze the various roles of the nurse in both community-oriented and community-based nursing practice. Prerequisites:

- NUR 3310
- NUR 3800
- NUR 4100 Pediatric Nursing
- NUR 4150 Pediatric Nursing Practicum
- NUR 3810

NOTE: Minimum Grade of C, May not be taken concurrently : Co-requisites: NUR 4350

NUR 4350 Community Health Nursing Practicum (2) This clinical course provides the student with an opportunity to design and implement a health promotion, risk reduction or disease prevention project for an aggregate within the community. Student activities will emphasize organizational management of previously learned skills (application of the nursing process, health assessment and interpersonal communication skills) with public health nursing skills (epidemiological principles, public health policy, environmental issues and health care access). Prerequisites:

- NUR 3310
- NUR 3800
- NUR 4100 Pediatric Nursing
- NUR 4150 Pediatric Nursing Practicum
- NUR 3810

NOTE: Minimum Grade of C, May not be taken concurrently : Co-requisites: NUR 4300

NUR 4500 Nursing Research and Evidence Based Practice (3) This course explores the scientific process and nursing research including its utilization in health care. Emphasis is placed on use of the research process for solving clinical problems, enhancing clinical judgments, and measuring phenomena in clinical practice.

NUR 4600 Nursing Leadership (2) This course focuses on issues of gender and leadership in healthcare. Organizational leadership and management theories are presented along with strategic planning, change, quality management, fiscal management and human relations skills. Feminist theories of power and leadership, gendered communications, masculinity within a female dominant profession and the tradition of nursing that has denied equality between nurses and other healthcare providers are addressed from a Mercy and Jesuit perspective.

NUR 4650 Nursing Leadership Immersion (3) The focus of the clinical immersion course is to facilitate the transition of the student into a professional baccalaureate-nursing role within an interdisciplinary, population-based model of care. Concepts of prioritization, delegation, leadership, teamwork and collaboration are demonstrated in the delivery of people centered care in an acute care setting under the guidance of a registered nurse. Pre-requisites:

- NUR 3700
- NUR 3750
- NUR 3310
- NUR 3800
- NUR 3810
- NUR 4300
- NUR 4350

NOTE: Minimum Grade of C, May not be taken concurrently

NUR 4755 Professional Practice from a Mercy and Jesuit Perspective (3) This course focuses on using social justice as a frame work for developing a professional practice that emphasizes a comprehensive, holistic approach in assisting populations at risk. The student's professional responsibility as a change agent on social issues that affect the individual, family and society are explored from a Mercy and Jesuit perspective. Emphasis is on communication and collaboration with other professionals.

NUR 4652 Senior Seminar (1) This course provides an opportunity for the student to review previously learned nursing theory and concepts in preparation for the National Licensing Examination. Safety and quality as essential concepts with application to health promotion and illness management across the lifespan are addressed.

Philosophy

Daniel Wagner, Ph.D.

Mission Statement. The Philosophy Department at Aquinas College is committed to the following goals:

1. Generally, to provide students with the skills of critical thinking and expression essential to Liberal Arts education. More particularly, by synthesizing historical and systematic philosophical approaches, to provide a foundation so that students may engage important perennial philosophical questions, and address them well in dialogue and in writing. These questions--such as what is Truth? Reality? The Human Person? The

- One (1) course in Metaphysics or Epistemology (designated ME):
 - PH 306 - PH 331
 - With chairperson's approval, a course in philosophy of language or philosophy of mind may be substituted.
- Two (2) elective courses.

NOTE:

- At least two courses must be numbered 300 or above. At most two courses may be numbered below 200
- All students must take twelve (12) semester hours of philosophy at Aquinas

Course Descriptions:

PH101 Introduction to Philosophy (3) HP Definition of philosophy; survey of principal questions in ethics, metaphysics, epistemology; philosophy of religion and political philosophy

PH110 What is Justice? (3) HP In this course, we take up the perennial question, What is Justice? We will consider different answers to this question. In doing so, we will focus on how the question is articulated in ancient and modern philosophical works.

PH111 Logic (3) HP Basic tools for analyzing and criticizing arguments, including basic patterns of deductive logic, recognizing common fallacies, and criticizing analogical and causal arguments.

PH214 Ancient Philosophy This course traces the historical development of Ancient Greek discussions of nature and metaphysics, knowledge, philosophical anthropology, and the ethics born of the love of wisdom for its own sake. The primary texts considered in this course are those of the fragments and testimonia (selections) of the Pre-Socratics beginning with Thales of Miletus (6th Century BC, and essential texts from Plato, Aristotle (5th-4th Century BC), and the Hellenistic period, including Lucretius and Epictetus.

PH215 Ancient Greek and Chinese Philosophy (3) H Major philosophers between the 5th century B.C. and the 3rd century A.D. including Socrates, Plato, Aristotle, Confucius and Lao Tzu.

PH220 Medieval Philosophy (3) H Major philosophers between the 4th and 14th centuries: Augustine, Boethius, Anselm, Thomas Aquinas, members of the Arabic and Jewish schools, Duns Scotus, Ockham.

PH225 Modern Philosophy (3) H Critical review of the most influential writings of four major philosophers: Descartes, Locke, Hume and Kant.

PH238 Environmental Philosophy (3) An examination of the various responses to the call to go beyond conservationalism and reform environmentalism of the 60's and beyond environmental ethics. Topics include: deep ecology, eco-feminism, social ecology and radical environmentalism.

PH244 Medical Ethics (3) Application of ethical principles to cases in medicine; end of life care, abortion, psychosurgery, informed consent, medical experimentation, genetic counseling and research, allocation problems. Prerequisite: PH101 or instructor permission.

PH245 Philosophy of Religion (3) Historical and contemporary readings on the problem of God: theology and falsification, the problem of evil, faith and knowledge, rationality of religious belief, and immortality.

PH247 Great Thinkers (3) Survey of contributions to philosophy made by major philosophers from the 4th century B.C. to the present era.

PH248 The Catholic Intellectual Tradition (3) This course is a survey of themes and impact of the Catholic intellectual tradition on the development of Western Civilization. The Catholic vision of God (Being), the World (Creation), the Human Being and Society in the works of major Catholic thinkers will be foundational to understanding Catholicism's contribution to the fields of philosophy, science, politics and ethics.

PH251 Philosophy of Law (3) Philosophical discussion of contemporary philosophical writings and law cases in the areas of free speech, privacy, criminal liability, civil liability, legal insanity, death penalty, legal reasoning and constitutional interpretation, and sex equality and discrimination.

PH306 Epistemology (3) ME Theory of knowledge; evidence, knowledge and opinion, the a priori, truth, insight; canons of inquiry: history, science, religion, and literature as knowledge.

PH310 Special Topics (Variable) Variable topics offered on an occasional basis. Prerequisite: Instructor approval.

PH/PS312 Political Thought: Its Histories & Concepts (3) Highlights of the history of political philosophy, Ancients, Medieval, Modern social contract theories, Marxism, liberalism, and postmodernism, using primary and secondary source materials. Deals with the relationship between politics and truth; the nature of political authority; democratic theory; the nature of the good society and its relationship to particular theories of human nature.

PH331 Metaphysics (3) ME Issues covered: whether there is a universal, basic human nature; what it means to be a 'person'; (how) is the mind linked to the body and the soul; what does it mean to be a self.

PH334 Ethics (3) A historical survey of the ethical theories offered to solve moral problems and the cultural traditions in which they arose. Such theories include virtue ethics, natural law, Stoic ethics, utilitarianism, Kantian ethics, emotivism, ultratrunism, existential ethics, and feminist ethics. The course will challenge the students to discover ethical approaches to moral decision-making in post-modern pluralistic society.

PH399 Independent Study (Variable) Individually negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

PH450 Philosophical Research (3) SC The aim of this course is to strengthen proper philosophical research methods and practices in students, as well as assist them in producing a piece of original philosophical writing of a very high quality. This course is not accepted for the General Education Humanities requirement.

PH490 Special Topics (3) Periodically, the department offers courses in such areas as: Anglo-American philosophy, continental phenomenology-existentialism, philosophy of art, texts of specific philosophers; philosophy of mind; philosophy of science.

Physics

Xin Du, Ph.D.

Mission Statement: The Physics Department is primarily committed to offering classes that meet the needs of students wishing to pursue careers in engineering, chemistry, applied mathematics, the health sciences and physics education. To assure that our students get an exposure of physics that is competitive at a national level, the department has made it a policy (a) to select texts that are recognized as the best in the disciplines (b) to offer laboratory experiences that are central to the disciplines, and (c) to assign problems that challenge the imagination and skill of the students.

The department, on a secondary level, is committed to offering courses in physical science and astronomy that allow non-science majors to sample the content, history, methodology, and excitement of looking at the natural world. Such courses relate traditional topics to experiences in everyday life

Physics is a subject that is appreciated by any person who is motivated to do so. To the extent that the Physics Department can keep pace with educational technology, scientific instrumentation, faculty renewal, and academic resources, the department will succeed in offering exciting and valuable educational experiences for our students.

Physics Minor The physics minor is designed primarily for the individual seeking secondary certification in physics.

Minor Requirements: Twenty-four (24) semester hours

Required Courses:

- PC201 (NL) or PC213 (NL)
- PC202 or PC214
- PC215

— Elective courses may be chosen from

- | | | |
|--------------|-----------------|---------|
| - MS241 | - CY311/ PC311 | - PC399 |
| - PC295 (NN) | - CY312 / PC312 | - PC400 |
| - PC310 | - PC398 | |

Courses from other colleges may be substituted with the consent of the department chair. If secondary certification is sought, PC400 is required.

Course Descriptions:

PC201 General Physics: Mechanics, Sound, Heat (4) NL Four (4) hours lecture, two (2) hours lab.

PC202 General Physics: Electricity, Magnetism, Light, Nuclear Physics (4) Prerequisite: PC201 or instructor approval.

PC213 General Physics with Calculus: Mechanics, Sound, Heat (4) NL Four (4) hours lecture, two (2) hours lab. Prerequisite: MS121.

PC214 General Physics with Calculus: Electricity, Magnetism, Light, Nuclear Physics (4) Four (4) hours lecture, two (2) hours lab. Prerequisite: PC213.

PC215 Modern Physics (4) A semester-long course that will complete the two-semester, general physics survey sequence. The topics covered will include the study of relativity, the wave nature of particles, quantum mechanics, chemical spectra, particle and low-energy nuclear physics. Prerequisite: PC201/202, or PC213/214.

PC291 Physical Science I (3) NN An introduction to physics and astronomy for non-science majors. Laboratory and lecture experiences are integrated within regular class meetings. Recommended for elementary education majors and any student who wishes to acquire a broad perspective on these two areas of physical science.

PC295 Observational Astronomy (3) NN A semester-long survey of the historical milestones in the development of astronomical modeling, as well as a study of the solar system and its constituents. Stars, galaxies, and cosmological models of the universe are also considered in detail. Intended for students with no significant exposure to the study of astronomy.

PC310 Special Topics in Physics (3) Topics related to recent advancements in the field of physics.

PC311/312 Physical Chemistry (4/4) A two semester sequence. Topics include, but are not limited to, thermodynamics, kinetic theory of gasses, quantum mechanics, and statistical mechanics. Prerequisites: MS231, PC213, PC214

PC/MS316 Applied Mathematics for the Physical Sciences (4) An introduction to topics in applied mathematics not covered in a traditional mathematics curriculum. Topics include Complex Numbers, Fourier Series, Fourier Analysis, Partial Differentiation, and Laplace Transforms. Prerequisite: MS122.

PC398 Readings in Physics (Variable) Individually-negotiated program of readings on a selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

PC399 Independent Project (Variable) Independent project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

PC400 Experimental Investigation and Design (4) A semester-long laboratory based course that will feature an in-depth exploration of five selected concepts in physics. Each topic will involve the study of the concept; an experimental design to investigate the concept; data collection and analysis. A formal report of the study and the experiment will be submitted. One of the concepts to be investigated will be self selected by the student and reported on at a seminar session held at the end of the semester. Prerequisite: PC201/202, or PC213/214.

Political Science

Molly A. Patterson, Ph.D., Chairperson

Roger Durham, Ph.D., Bradford Winkler, J.D.

Mission Statement. The mission of the Political Science Department is to foster critical, reflective, informed, and empowered participants and citizens. The Department introduces students to fundamental theoretic approaches, methods of study, and content about how people and governments behave in a political context.

PI SIGMA ALPHA, National Honor Society for Political Science, recognizes outstanding scholarship through the Aquinas College Chapter of PSI UPSILON.

NOTE: ALL Political Science courses qualify for General Education credit for the Social Science: Group 1 OR Group 2 Distribution.

Degree Granted: Bachelor of Arts (B.A.)

Political Science Major

Major Requirements: Thirty-five (35) semester hours

Required Courses:

- PS101
- PS150 (GP)
- One (1) Institutions Course from the following
 - PS203
 - PS205
 - PS210
- One (1) Political Theory course from the following
 - PS312
 - or as approved by the Department Chair
- One (1) Comparative Politics course from the following
 - PS331
 - PS332
 - PS333
- Twelve (12) semester hours of PS Electives
- PS350
- PS387 (WI)
- PS400 (SC)
- PS220
- PS260
- PS321
- PS/WS325
- PS334
- PS335

Refer to faculty for any questions. At least eighteen (18) semester hours towards the major must be earned at Aquinas College. Students must obtain a grade of “C” or higher if they want to count the class towards a political science major.

Political Science Minor

Minor Requirements: Twenty-four (24) semester hours

Required Courses:

- PS101
- PS150 (GP)
- One (1) Institutions Course from the following
 - PS203
 - PS205
 - PS210
- One (1) Political Theory course from the following
 - PS312
 - or as approved by the Department Chair
- PS220
- PS260
- PS321
- PS/WS325

- One (1) Comparative Politics course from the following
 - PS331
 - PS332
 - PS333
 - PS334
 - PS335
- Nine (9) semester hours of PS Electives

At least twelve (12) semester hours towards the minor must be earned at Aquinas College. Students must obtain a grade of “C” or higher if they want to count the class towards a political science minor.

Secondary Teacher Certification in Social Studies

Minor Requirements: Twenty-four (24) semester hours – Completed in combination with the Social Studies Group Major

Required Courses:

- PS101
- PS150 (GP)
- Choose one of the following:
 - PS331
 - PS332
 - PS333
 - PS203 or PS205
 - PS210
 - PS334
 - PS335

NOTE: ALL Political Science courses qualify for General Education credit for the Social Science: Group 1 AND Group 2 Distribution.

Course Descriptions:

PS101 American Government and Politics (3) SS1/SS2 This course is an introduction to the power, structures and functions of the American Government and Political System. Fundamental is a critical examination of the institutions and players who interact in the processes of American politics.

PS150 The World in Crisis (3) SS1/SS2, GP Introduction to the dynamics of global interaction and international relations. Developing of a basic understanding of the international system and modes of conflict and cooperation in international problem areas such as Bosnia, Nicaragua, Northern Ireland, Chiapas, East Los Angeles, Haiti, Somalia, American Embassies, Tokyo subways, Iraq, Kuwait, Arab-Israeli relations, human rights violations, armed conflict, poverty, environmental degradation, religious confrontation and diplomacy.

PS203 Urban Government and Politics (3) SS1/SS2 The governance and problems of cities is the focus of this course. Planning, decision-making, issues and solutions are developed in this introduction to the politics and power structures in America’s Urban settings.

PS205 State Government and Politics (3) SS1/SS2 Introduction of the institutions and politics of state governments with special emphasis on Michigan. This course is not accepted for the Social Science requirement.

PS210 The Presidency and Congress (3) SS1/SS2 In-depth look at these branches of national government, relationships to each other and to other parts of the political community. Prerequisite: PS101.

PS/CN/BS212 Parliamentary Procedure (1) SS1/SS2 This one semester hours course in parliamentary procedure is designed to familiarize the student with fundamental practices in the process and procedures of rules of order as practiced in organizations and businesses.

PS220 Politics and Elections (3) SS1/SS2 Modern political campaigns, election process, role of political process in government. This course is not accepted for the Social Science requirement.

PS260 Politics and the News Media (3) SS1/SS2 Role of the news media in process of government and functioning of the political system. This course is not accepted for the Social Science requirement.

PS310 Modern Political Problems Seminar (3) SS1/SS2 Topics vary on vogue and interesting issues.

PS/PH312 Political Thought: Its Histories & Concepts (3) SS1/SS2 Highlights of the history of political philosophy, Ancients, Medieval, Modern social contract theories, Marxism, liberalism, and postmodernism, using primary and

secondary source materials. Deals with the relationship between politics and truth; the nature of political authority; democratic theory; the nature of the good society and its relationship to particular theories of human nature. This course is not accepted for the Social Science requirement.

PS314 Constitutional Law I (3) SS1/SS2 This course is to provide undergraduate students exposure to the constitutional interpretations regarding the balance of powers created in the U.S. Constitution. Specific sections of the Constitution covered in this class include: justiciability, presidential and executive powers including war powers, congressional powers, tax and spending clause, commerce clause, federalism and state rights, voting rights, and economic rights. Prerequisites: PS101.

PS315 Constitutional Law II (3) SS1/SS2 This course is to provide undergraduate students exposure to the constitutional interpretations regarding American civil rights and liberties as defined by the U.S. Supreme Court. Specific clauses of the U.S. Constitution covered in this class include: Judicial review (authority of the federal courts), the contracts clause, the due process clause, freedom of speech, freedom of the press, (dis) establishment of religion, free exercise of religion, guarantee against unreasonable search and seizures, exclusionary rule, 5th Amendment guarantee against self-incrimination, police interrogation, right to counsel, guarantee against cruel and unusual punishment, the right to privacy, and the equal protection clause prohibiting discrimination. Prerequisites: PS101.

PS316 Moot Court (3) SS1/SS2 This course is designed to provide undergraduate students an experience closely comparable to actual appellate practice by attorneys. The course is divided into two sections. In Part I of the course, students will prepare a draft and final version of an appellate brief. In Part II of the course, students will present a practice and then a final oral argument. Finally, teams will compete against other undergraduate teams at a regional competition to be held at the end of the semester. Winners of this regional tournament will be invited to participate in the national tournament. This course is not accepted for the Social Science requirement.

PS321 American Political Thought (3) SS1/SS2, WI Fundamental principles derived from the Constitution and The Federalist as context of modern problems. Prerequisite: PS101 or HY101 or HY102.

PS/WS325 Feminist Theory and Activism (3) SS1/SS2 This course is designed to explore different ways of thinking about sex/gender, power, and justice, and examines how different theories of gender, power and justice shape political activism. By comparing a variety of theoretical perspectives (such as liberal, Marxist and radical feminism), we look at different possibilities for analyzing core feminist concepts and the practical implications of theory. This course is not accepted for the Social Science requirement. This course is not accepted for the Social Science requirement.

PS331 European Politics (3) SS1/SS2 Government and politics of England, France, West Germany, and the Soviet Union, comparison to each other and to the United States.

PS332 Politics of Developing Countries (3) SS1/SS2 Exploration and comparison of government and politics in various developing areas of the world. Fundamental analysis of the issues of development within a comparative framework and political economy is emphasized.

PS333 Politics of Latin America (3) SS1/SS2 Comparative examination of politics and governments in Latin America. Examine the internal politics and policy making, political institutions, cultures and locus of power in “newly industrialized states,” socialist states, less developed states, and developing states of Latin America.

PS334 Mid East Politics (3) SS1/SS2 An in-depth examination of politics and foreign policy in the Middle East. Issues discussed include Arab-Israeli-Palestinian relationships, specific interstate rivalries in the Middle East (Iran v Iraq), the role of super-power politics, ongoing Middle East Peace negotiations, the political economy of oil, and the effect of religious diversity on politics. Participation in the Model Arab League may also be a part of this course.

PS335 The Politics of Africa (3) SS1/SS2 The comparative examination of the politics and governments of African states. Issues of development, culture, and political economy are discussed. Political interaction within and between African states is examined. Prerequisite:

PS/BS340 Public Administration (3) SS1/SS2 Have you ever wondered about the inner-workings of public programs? This course introduces the theory and practical skills involved in working with public agencies and implementing public policy. Issues of democratic participation and bureaucratic inertia are fundamental to this critical examination of the administration of public policy. This course is not accepted for the Social Science requirement.

PS/SB/EL346 Environmental Policy and Politics: Issues & Approaches (3) SS1/SS2 Introduction to environmental policy as a focus of public policy. The forces and frameworks shaping environmental policy as well as the influence of various actors will be examined through analysis of key environmental issues. PS 101 or EL100; or instructor permission

PS350 Methods and Inquiry in Political Science (3) SS1/SS2 This course is designed as a critical inquiry into social scientific research practices. While the course is primarily concerned with practical problems of how to conduct research, it also addresses philosophical problems that lead people to approach research in different ways. Prerequisite: Junior or Senior

PS/ES376 Public Sector Economics (3) SS1/SS2 Public Sector Economics is the study of tax and expenditure policy and theory. Public goods (education, infrastructure, etc.) require unique funding mechanisms to induce economic efficiency. Public sector economics is the study of these mechanisms. Beginning with a treatment of the median-voter model and utility maximization, the course charts a robust discussion of the interaction between government and citizen as taxes are collected, revenues are spent, and the efficiencies/inefficiencies of these mechanisms are uncovered. The course will focus on both the theoretical foundations of public sector economics and what the empirical research as to say about theory. Prerequisites: E211 and ES212. An understanding of algebra is mandatory and an understanding of calculus will be beneficial. This course is not accepted for the Social Science requirement.

PS387 International Relations (3) SS1/SS2, WI This is an upper-division course on the contemporary history and theory of international relations. Examined is the interaction of various international actors such as nation-states, international organizations and regimes, multinational corporations and even individuals and groups who influence world politics. International Political Economy and Post-Cold War Crises are emphasized. Prerequisite: PS150 or Instructor approval.

PS388 American Foreign Policy (3) SS1/SS2 This course is designed as a critical examination and in-depth evaluation of American Foreign Policy. The actors and processes involved in making and executing foreign policy will be examined, along with the policy perspectives of the major nation-states and international organizations with which the United States interacts. We will look at the history of US foreign policy, with a special emphasis on 20th century interaction. Specifically, we will study: US–Soviet/Russian relations, the rise and decline of US Hegemony, United States–Japanese and Sino relations, American policy toward West and East Europe, US policy in Central and Latin America, US policy toward Africa, and American foreign economic policy. Emphasis is placed on counter-revolution and counter terror policies. Prerequisite: PS150 or Instructor approval.

PS389 National Security Policy (3) SS1/SS2 This course provides an introduction to the legal issues surrounding national security and counterterrorism policy. This class will primarily focus on domestic legal issues. Students will have a final exam and develop a paper on a national security issue of their choosing. This course is not accepted for the Social Science requirement.

PS390 International Law (3) SS1/SS2 In-depth study of law and mores guiding nations and individuals in relations with other nations and peoples. Prerequisite: PS150 or Instructor approval.

PS391 International Organizations (3) SS1/SS2 Theory and practice of international organizations; successes, failures and operations of United Nations and various regional integrative efforts. Theories of integration. Participation in the Model United Nations may also be a part of this course. Prerequisite: PS150 or Instructor approval

PS392 Model United Nations I/II/III (1) SS1/SS2 Students practice all the skills of diplomacy including negotiation, problem solving, role-playing, and compromise while representing diplomats from the 192 members of the General Assembly of the United Nations, the Security Council, or one of many other UN Agencies at the annual Model United Nations conference. Issues range from the US embargo on Cuba to nuclear weapons proliferation to AIDs and world hunger. PS392 Model United Nations I / II or III credit does not count toward the Political Science major or Political Science minor. (PS391 International Organizations counts toward the Political Science major and minor.)

PS393 Model Arab League I/II/III (1) SS1/SS2 Students practice all the skills of diplomacy including negotiation, problem solving, role-playing, and compromise while representing diplomats from the twenty-two (22) members of the League of Arab States at the annual Model Arab League conference. Countries Aquinas students have represented include Libya, Palestine Authority, Saudi Arabia, Egypt, Iraq and Kuwait. Issues range from the creation of a Palestinian state to the environmental impact of oil. Potential participation in Washington, DC with the National Council of US-Arab Relations. Credit for PS393 Model Arab League I / II or III does not count toward the Political Science major or Political Science minor. (PS391 International Organizations counts toward the Political Science major and minor.)

PS397 Field Experience in Political Science (Variable) SS1/SS2 Up to three (3) semester hours of internship or experience in a field directly related to Political Science, negotiated between major advisor and student. Prerequisite: approval of the department chairperson.

PS398 Readings in Political Science (Variable) SS1/SS2 Individually-negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

PS399 Independent Project (Variable) SS1/SS2 Individually-negotiated project of defined nature established by contract between instructor and student. No more than two (2) semester hours of electives in Model United Nations or Model Arab League can be applied to the major. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

PS400 Senior Capstone Seminar (2) SS1/SS2, SC This 2-credit course is designed as a Senior Capstone for Political Science Majors. It will include review of the discipline as well as a critical examination and in-depth evaluation of the work produced in various required courses for the major. It will also require the development and presentation of a major thesis-driven paper. To be taken fall semester of the senior year.

PS399 Independent Project (Variable) SS1/SS2

PS494 Modern Political Problems (3) SS1/SS2 Course is an introduction to the fundamental concepts of geopolitical and critical geopolitical thinking, as well as a survey of predominant individuals, writings, and films which have contributed to our collective understanding of the modern world order. While a lecture component will be incorporated to introduce key geographical, political, cultural, and philosophical concepts, the backbone of the course will be an open discussion/seminar format. Prerequisite: Instructor approval.

NOTE: Additional courses will be offered subject to faculty availability and student need

Psychology

Daniel Cruikshanks, Ph.D., Chairperson

Victor Karandashev, Ph.D., Julie Schatz-Stevens, Ph.D., Molly Wilson, Ph.D., Joyce Oates, Ph.D.

Mission Statement. The mission of the Department of Psychology & Counselor Education is to contribute to the students' intellectual development and resulting liberal education by providing knowledge of psychology, its research findings, its major problems, its theoretical integration, and its contributions. The undergraduate psychology major curriculum adopts the scientific method in its philosophy of education for accomplishing the purpose of a liberal arts education. (Based on American Psychological Association guidelines).

Program Student Learning Outcomes:

- Demonstrate knowledge of key concepts, principles, and overarching themes in psychology
- Demonstrate psychology information literacy
- Interpret, design, and conduct basic psychological research
- Apply ethical standards to evaluate psychological science
- Exhibit effective presentation skills for different purposes
- Enhance teamwork capacity

Psychology Program Policies.

At least one elective in the major must be 300-level or 400-level. At least twenty (20) semester hours toward the major must be taken at Aquinas.

To be a psychology major, a student must earn a C or better in all major requirements. In addition, a student must maintain an overall C average. A student may repeat a course only once, unless a further repetition is approved by the provost. Majors are bound by the requirements published at the time the declaration of the major is signed.

NOTE: ALL Psychology courses qualify for General Education credit for the Social Science: Group 1 OR Group 2 Distribution.

NOTE: MS151 is not a requirement of the Psychology Major but it is a prerequisite for PG202.

Psychology Major – Bachelor of Sciences (B.S)

There are four program options for students interested in majoring in psychology. At least twenty (20) semester hours toward the major must be taken at Aquinas College. A grade of C or better is required for all courses credited toward the major. Students who major in Psychology are bound by the requirements published in the catalog at the time the declaration of a major is approved.

Major Requirements: Forty-one (41) semester hours

Required Courses:

- BY150 (4) NL
- PG100 (3)
- PG202 (4)
- Minimum twelve (12) semester hours of courses within chosen concentration (see below)
- PG203 (2) WI
- PG305 (3)
- PG402 (1)
- PG403 (3) SC
- Nine (9) hours of elective courses from psychology

Concentrations: Psychology majors may choose to focus their degree program on General Psychology, Developmental Psychology, Counseling Psychology, or Neuroscience . Students who are uncertain about future educational or career goals may choose the General Psychology Concentration. In addition to their concentration courses, students take an additional nine (9) semester hours of psychology electives.

General Psychology Concentration within the Psychology Major: In addition to the required courses for the Psychology Major, students who choose the General Psychology concentration are required to choose an additional twenty-one (21) semester hours from the following combinations:

- Choose two from:
 - PG 208
 - PG209
 - PG210
- Choose one from:
 - PG 309
 - PG311.
- Twelve (12) semester hours of electives

Developmental Psychology Concentration: In addition to the required courses for the Psychology Major, students who choose the Developmental Psychology Concentration are required to take twelve (12) semester hours as follows:

- PG208 (3)
- PG209 (3)
- PG210 (3)
- PG elective (3) in consultation with advisor
- Nine (9) semester hours of electives

Counseling Psychology Concentration: In addition to the required courses for the Psychology Major, students who choose the Counseling Psychology Concentration are required to take twelve (12) hours as follows:

- PG303 (3)
- PG307 (3)
- PG309 (3)
- PG348 (3)
- Nine (9) semester hours of electives

Minimum Major Requirements: Forty-four (44) semester hours

Required Courses:

- | | | |
|--------------|----------------|-----------------|
| — PG100 (3) | — PG400 (3) | — BY150 (4) NL* |
| — PGS120 (3) | — PG406 (3) | — BY155 (4) NL |
| — PG202 (4) | — PG416 (3) | — BY156 (4) |
| — PG208 (3) | — PG450 (3) SC | — EN207 (3) |
| — PG234 (3) | — KN145 (3) | |

*Taken only if entering with an SAT composite score of 1030 or less (or ACT of 20 or less)

NOTE: MS151 is not a requirement of the Psychology Major but it is a prerequisite for PG202.

Course Descriptions:

PG100 Introductory Psychology (3) SS1/SS2 Psychology as the science of human behavior and experiences; related areas of human functioning; focus on human research; theory and research methods, biological basis of behavior, human development, cognition, motivation, emotion, sensation, perception, personality and abnormal behavior.

PG120 Introduction to the Child Life Specialty (3) SS1/SS2 The purpose of this course is to provide a basic background and knowledge of Child Life practices. The content of this course is designed to create a foundation of knowledge, both academically and practically, in the required core competencies of the nationally recognized Child Life certification. Topics covered include Child Life theoretical foundations, assessment, preparation, play, coping, the therapeutic relationship, family-centered care, documentation, grief and loss, and the role of Child Life within the interdisciplinary medical team. Attention is given to understanding children and teens in the context of their development as it relates to interventions in medical settings.

PG/SY201 Social Psychology (3) SS1/SS2 Examines the relationship between individuals and their social environment including how individuals are influenced by, yet also shape groups and organizations. These questions are addressed with social psychological theories from both Psychology and Sociology. Prerequisite: SY101 or PG100.

PG/SY202 Research Methods (4) SS1/SS2 Introduction to research process: analysis of variance, basic nature of research, analysis of major research designs used in lab, field, and natural environments; how to conduct an experiment and write a research report (lecture and lab). Prerequisite: PG100 or SY101, and MS151 or equivalent. This course is not accepted for the Social Science General Education requirement.

PG203 Introduction to Psychology Related Careers (2) SS1/SS2, WI This course represents the entrance to the Psychology Major. The intention of the course is to prepare you to gain the most from the rest of your coursework and research in the Major, and to introduce you to knowledge and strategies that will assist you in discovering and pursuing your own career path using your Psychology Major. Particular emphasis will be on developing your literature research and professional writing skills with the goal that you will have mastery of APA publication form and style. Prerequisite: PG100.

PG208 Child & Adolescent Development (3) SS1/SS2 Introduction to processes of human development from a lifespan perspective; focus on conception through adolescence; basic theories and research related to normal patterns of physical, cognitive, personality and social development. Prerequisite: PG100.

PG209 Early & Middle Adult Development (3) SS1/SS2 Continuation of human development sequence from a lifespan perspective; focus on emerging and young adults through midlife. Theory and research on the tasks and transitions of adulthood, including the impact of factors such as socio-cultural context, gender, identity and self-concept, marriage and family, career, stress, and adjustment. Prerequisite: PG100.

PG210 Late Adult Development & Aging (3) SS1/SS2 Continuation of human development sequence from a lifespan perspective; focus on young adulthood through old age and death. Theories, research, and myths related to stability and change in physical, cognitive, personality, and sociocultural aspects of adulthood. Prerequisite: PG100.

PG211 Psychology of Women (3) SS1/SS2 This course presents concepts, theories, and issues surrounding the psychology of women. Theory and research focused on gender differences will be reviewed and discussed. Current issues including violence against women, sexual assault on college campuses, feminist approaches to therapy, workplace issues experienced by women, and family and relationship issues will also be explored.

PG234 Death and Dying (3) SS1/SS2 Attitudes and rituals relating to death in different societies; psychological, philosophical, medical, and religious questions that surround the event of death for the dying person and family. Prerequisite: PG100.

PG303 Psychology of Personality (3) SS1/SS2 Analysis of various classic and contemporary theories of human personality. Prerequisite: PG100

PG305 Cognitive Psychology (3) SS1/SS2 Theory and research investigating phenomena of learning and memory in humans and animals. Behavioral, neurophysiological, and information processing models are reviewed. Lecture and lab. Prerequisite: PG100.

PG307 Human Motivation & Emotion (3) SS1/SS2 Scientific investigation of basic and learned human needs, drives, and motives. Physiological correlates of motivated behavior. Behavioral and cognitive theories of motivation and emotion. Prerequisite: PG100.

PG309 Abnormal Psychology I (3) SS1/SS2 Etiology, diagnosis, and treatment of emotional disorders. Emphasis on anxiety disorders, depression, bipolar disorder and schizophrenia. Prerequisite: PG100.

PG311 Abnormal Psychology II (3) SS1/SS2 Further exploration of abnormal conditions – can be taken before or after PG309. Emphasis on disorders of childhood and adolescence, eating disorders, personality disorders, sexual deviation, substance abuse, organic brain disorders and therapeutic interventions. Prerequisite: PG100.

PG/BS321 Industrial Psychology (3) SS1/SS2 Study of human behavior in production, distribution and consumption of goods and services. Prerequisites: PG100 or BS201, and MS151 or equivalent.

PG/BY324 Neuroscience (4) SS1/SS2 Topics include neuron functioning (action potential production including the behavior of receptors, ion channels and neurotransmitters), synaptic transmission, sensory and motor systems, the neurobiological perspective of learning and memory, drugs and the brain, sex and the brain. Both invertebrate and vertebrate systems discussed. Three (3) hours lecture, three (3) hours lab. Prerequisites: minimum grade of C- in BY150 or BY171 and sophomore status. Offered even-numbered springs.

PG348 Counseling Psychology (3) SS1/SS2 Counseling is a profession predicated on centuries of work on the nature of personality, human development, interpersonal relations, mental health issues, and human adjustment. Professional counselors' work encompasses a wide range of settings, issues, populations, and goals. Thus, this course, while not intended as professional training, presents the theoretical and research bases for various approaches, techniques, and objectives relevant to counseling. Prerequisites: PG100.

PG352 Psychological Assessment (3) SS1/SS2 Theoretical and statistical foundations, including tests of intelligence, special abilities, achievement, personality, interests, attitudes and projective techniques (lecture and lab). Prerequisite: PG100 and MS151.

PG/BS355 Organizational Behavior (3) Central topics of management behavior: organizational structure and behavior, informal organization, behavior modification and group dynamics. Prerequisite: PG100 or BS201.

PG/BS360 Consumer Behavior (3) Analysis of the complex process of buying behavior through systematic development of a behavior model, utilizing concepts from psychology, sociology and social psychology. Prerequisite: PG100 or BS202.

PG/BS372 Training and Development (3) Review of techniques to determine training needs to develop appropriate programs, to select methods of presenting these programs and to evaluate program effectiveness. Prerequisite: BS201 or PG100.

PG380 Lifespan Development for Health Sciences (3) SS1/SS2 Overview of developmental psychology theories and concepts within a lifespan perspective and with health care applications. Specifically designed for students in the Nursing program. Psychology majors and minors cannot count PG380 credit if PG208 is counted. Prerequisites: PG100 and permission of instructor.

PG391 Seminar in Psychology (Variable) SS1/SS2 Specialized courses in theory, research, or professional practice and/or new course content on trial basis. Subject to faculty availability; faculty and students can request offerings. Syllabus for each seminar on file. Prerequisites: determined by content.

PG399 Independent Project (Variable) SS1/SS2 Individually-negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

PG400 Play Therapy (3) SS1/SS2 This course is an introduction to the basic history, theory, rationale, and concepts of child-centered play therapy (CCPT). Students will learn the conceptual framework of child-centered play therapy, as well as the skills necessary to establish and maintain facilitative relationships with children that encourage their self-expression and facilitate change. Different theoretical approaches and techniques will be explored.

PG402 Advanced Research Proposal Seminar (1) SS1/SS2 Development of an individual research project proposal, in preparation for PG403. Demonstration of content knowledge and research skills. Also, discussions of issues related to graduate studies, professional standards, and careers in psychology and related fields. Prerequisite: PG202; permission of instructor. Should be taken fall of senior year.

PG403 Advanced Research Methods (3) SS1/SS2, SC Psychology major capstone course in which students conduct a project implementing the research proposal developed in PG402. Application of abilities in scientific design, analysis, interpretation, and reporting. Formal paper and oral presentation required at the conclusion of the project. Prerequisite: PG402; psychology majors. Should be taken spring of senior year.

PG404 Legal and Ethical Issues in Counseling SS1/SS2 This course introduces students to the characteristics, roles, and functions of professionals involved with therapy with special attention to legal, ethical, and professional issues. The course provides a comprehensive overview of programs and services in helping professions. Emphasis will be on understanding professional and ethical standards of the ACA and the AMHCA and ethical decision making models to prepare students to manage effectively ethical dilemmas.

PG406 Sensation and Perception (3) SS1/SS2 A review of sensory and perceptual systems together with a discussion of theories of perception. Emphasis on vision. Lecture and lab. Prerequisites: BY150 and PG202.

PG416 Marriage, Family and Couples Counseling SS1/SS2 This course provides an examination of various theories and models of intervention within families, with strong emphasis on systems theory. Students are expected to develop family treatment plans and to demonstrate them in simulated family systems such as families facing a medical crisis.

PG450 Senior Practicum (Variable) SS1/SS2 SC Work placement in which student performs duties of a psychological nature under supervision of a practicing professional. Prerequisite: Psychology major, senior status, department approval.

PG 456: Psychology Apprenticeship (variable) SS1/SS2 This is a semester long apprenticeship course that offers psychology majors additional research and discipline specific experience. This course allows students the opportunity to further develop their expertise in the methods and skills of psychological science and to provide further experience working in a research arena. Apprenticeships are about gaining valuable experience and skills in psychological research. Students will get firsthand experience of carrying out research - from literature searching through experimental design and data collection to analysis. Apprentices will work as part of a small group under the mentorship of a faculty member working on the research project assigned by instructor. The course will be very valuable experience for students who are planning to go for graduate programs. Prerequisites: PG202

Sociology

Susan Haworth-Hoepfner, Ph.D., Chair;
Michael J. Lorr, Ph.D.; David Martin, Ph.D.

Mission Statement Through teaching, scholarship, and service, the Department of Sociology challenges students to understand and apply knowledge of local and global socio-cultural structures and processes.

Sociology Student Learning Objectives:

- Students can describe how social theory contributes to knowledge.
- Students can compare and contrast major theorists, theories, and concepts in substantive areas of sociology. Students can explain basic concepts such as culture, roles, norms, social structure, social institutions, socialization, and stratification.
- Students can demonstrate how social institutions and structures influence group and individual behavior.
- Students can assess the empirical research of others, formulate empirical research questions, design and carry out a research project, and evaluate qualitative and quantitative data.

- Students can describe variations, and the significance of these variations, across social categories of class, race/ethnicity, and gender.
- Students can write a clear and concise college-level theoretical analysis using ASA style.
- Students can clearly and thoroughly present sociological content in a public or classroom setting.

Sociology Major – Bachelor of Arts (B.A.)

Major Requirements: Thirty-nine (39) - forty (40) Semester hours

Required Courses:

- SY101
- SY/PG202
- Twenty four (24) semester hours of electives with at least one from each of the three (3) department foci:
 1. Social Life, Inequalities & Social Change
 - SY103
 - SY/WS207
 - SY208
 - SY211
 2. Social Work, Community Leadership & Human Services
 - SY102
 - SY162
 - SY205
 - SY210
 3. Environment, Health & Society
 - SY162
 - SY201
 - SY/CL209

- SY291
- SY403

- SY312
- SY/WS315
- SY375
- SY311/WS314
- SY/CL396
- SY260
- SY261
- SY263
- SY302
- SY260
- SY264
- SY285
- SY312

Eighteen (18) semester hours to be taken at Aquinas College. To be a sociology major, a student must maintain a C or better grade in all major requirements.

Sociology Minor

Minor Requirements: Twenty (20) - Twenty one (21) semester hours

Required Courses:

- MS151
- SY101
- Nine (9) semester hours of electives with at least one from each of the three (3) department foci:
 1. Social Life, Inequalities & Social Change
 - SY103
 - SY/WS207
 - SY208
 - SY211
 2. Social Work, Community Leadership & Human Services
 - SY102
 - SY162
 - SY205
 - SY210
 3. Environment, Health & Society
 - SY162
 - SY201
 - SY/CL209

- SY/PG202
- SY291

- SY312
- SY/WS315
- SY375
- SY311/WS314
- SY/CL396
- SY260
- SY261
- SY263
- SY302
- SY260
- SY264
- SY285
- SY312

Twelve (12) semester hours to be taken at Aquinas College. A grade of C or better must be maintained in all courses credited toward the minor.

Course Descriptions:

SY101 Introduction to Sociology (3) SS1/SS2 Introduction to the fundamental components and general principles of sociological thought and research. Content will address cultural production, and the relationships and power dynamic among individuals and social institutions. Primer on the social construction of race, gender, and class. Students will also participate in the first stage of the engaged department initiative. This entails three (3) hours of observation, outside of the classroom, of a community-based initiative, organization or cultural event.

SY102 Introduction to Social Work (3) SS1/SS2 Historical approach to social welfare, case work, group work, and community organization as related to current efforts and futuristic trends.

SY103 Cultural Anthropology (3) SS1/SS2, GP Analysis of human cultural adaptations in various societies around the world.

SY162 Drugs and Society (3) SS1/SS2 Analysis of the manner in which drugs and society influence each other; contemporary “drug scene.”

SY/IN200 Special Studies in Sociology (Variable) SS1/SS2 Examination of topics not offered in regular curriculum; e.g., sociology of politics, art, knowledge, work, leisure, and alcoholism. Prerequisite: SY101.

SY/PG201 Social Psychology (3) SS1/SS2 Examines the relationship between individuals and their social environment including how individuals are influenced by, yet also shape groups and organizations. These questions are addressed with social psychological theories from both Psychology and Sociology. Insignis membership, Prerequisite: SY101 or PG100.

SY/PG202 Introduction to Research and Design (4) Introduction to research process: scientific method, basic nature of research, analysis of major research designs used in lab, field, and natural environment; how to write a research proposal, conduct an experiment, write a research report; lecture and lab. Prerequisite: PG100 or SY101 and MS151 or equivalent. This course is not accepted for the Social Science General Education requirement.

SY205 Trying Social Work (4) SS1/SS2 Introduction to the practice of Social Work. A semester’s mini-placement in a social-service agency is required. This course is not accepted for the Social Science General Education requirement. Prerequisite: SY102.

SY/WS207 Arab Women (3) SS1/SS2, GP This course explores various Arab communities, both historic and contemporary, to focus on the diverse lives of Arab women: tribal nomadic, small village, immigrant and urban. Through the novel, ethnography, memoir and poetry, the course examines Arab practices and reflects on the dynamics of gender and power in students’ own cultures.

SY208 Media and Society (3) SS1/SS2 This course introduces students to how sociologists study the relationship between media and society. Students will become aware of and use sociological concepts, theories, and research methods to examine how media shapes and structures our self-concepts, identities, cultures, and society.

SY/CL209 Sustainable Cities and Environmental Justice (3) SS1/SS2 In this course, students investigate sustainable cities and environmental justice from the perspectives of social science scholars, focusing on the meaning of the global environmental crisis for particular urban areas. Throughout the course, students will identify, describe, and evaluate multiple theories and findings that attempt to explain and uncover how cities strive to be sustainable but fall far short of the demands for environmental justice. This course will enable students to attribute multiple social science theories and findings accurately, to take a position based on these theories and findings, to raise and answer counterpoints to these theories and findings, to pose solutions to environmental-based urban problems, and to use sustainability and environmental justice as frameworks for problem-solving.

SY210 Sociology of Marriage and Family (3) SS1/SS2 Marriage and family in context of contemporary Western culture; traditional and alternative family relationships; roles; family and new attitudes on sexual behavior.

SY211 Internet, Society and Social Media (3) SS1/SS2 This class examines the historical development of the Internet and is related technologies. The content of this course ranges from differential access (digital divides) and cultural production, to the material impact of the Internet on life chances, with an emphasis on the interplay between on-and

offline life. It unpacks how online interactions and social media, specifically, mediate the experience of everyday social life, paying particular attention to how it affects work, education, relationships, politics, privacy, and social change.

SY213 Race and Ethnicity (3) SS1/SS2, GP Underlying social and cultural dynamics of selected multicultural groups. Emphasis on the many dimensions of unequal power.

SY260 Social Problems (3) SS1/SS2 Analysis of contemporary social problems and how they are defined by society.

SY261 Criminology (3) SS1/SS2 Analysis of crime with reference to behavior of those who engage in, or become victims of criminal behavior. Prerequisite: SY101.

SY263 Juvenile Delinquency (3) SS1/SS2 Study of the development, prevention, control, and treatment of juvenile delinquency. Prerequisite: SY101.

SY275 Sociology of Sport (3) SS1/SS2 Analysis of history and contemporary phenomenon of sport from sociological perspective; sport's relation to the media, education, racism, sexism, character building, and the larger society.

SY285 Sociology of Food (3) SS1/SS2 A multi-disciplinary approach to the relationships between food and society. Examining food historically, food production, health food, food distribution, nutrition, subcultures, social eating disorders, food and poverty, fast food, and world hunger.

SY291 History of Sociological Thought (4) SS1/SS2 A critical survey of social theorists who shaped early sociology and remain relevant today. Also covers theorists who extended and challenged the sociological perspective, paying attention to critical race, queer and feminist theories that are fundamental to contemporary sociological thought. Emphasizes the development and application of theory in relationship to contemporary issues. Students will also participate in the second stage of the engaged department initiative. This entails ten (10) hours of participation, outside of the classroom, in a community-based initiative, organization, or cultural event. Prerequisite: SY101.

SY302 Community Sociology (3) SS1/SS2 Examination of communities of place and interest through a sociological perspective. Topics include history of community, theories of community sociology, community power and leadership, rural and urban communities, and factors influencing community growth and decline. Prerequisite: SY101, GY120 or CL100.

SY/WS305 Masculinities, Femininities, Sexualities and Society (3) SS1/SS2

This course is designed to examine the ways in which gender, as a social construction, influences various aspects of social life. Particular attention will be given to the role of ideology in shaping conceptions of gender, how those conceptions are constructed through socialization practices, and how they are maintained through social institutions.

SY312 Social Stratification (4) This course explores the nature of systems of inequality, as they appear in human societies, focusing on the political, economic, and social forces that help produce inequality and social stratification. Various sociological concepts and theories of inequality will be examined to help describe and explain social inequality in the United States and elsewhere. A lab component is also part of this course. Prerequisite: SY101. This course is not accepted for the Social Science General Education requirement.

SY311/WS314 Women, Girls and Leadership (3) SS1/SS2 Examination of how the status of the women is defined and how social constructions influence various aspects of social life. Utilizes a sociological approach and theories that have contributed to establishing current ideas about women and girls, leadership, socialization practices and how they are maintained through social institutions.

SY/WS315 Women and Development (3) SS1/SS2 Examination of women's involvement in development and social change activities across diverse societies. Use of sociology and women's studies theories and analyses to understand development roles played by women in public and private spheres.

SY364 Indigenous Peoples of the Great Lakes (3) SS1/SS2 A critical introduction and review of the social, political, and cultural aspects of the Indigenous peoples of the Great Lakes from the 1920s to the present.

SY/EN367 The Hispanic in the U.S. (3) SS1/SS2 This course covers major Hispanic groups, key geographic areas including Southwest and selected urban centers. There is also a discussion of the migrant stream, process of assimilation and acculturation, biculturalism, dynamics of intercultural interaction within Hispanic communities and with mainstream. Prerequisite: EN201 or SY101 and cumulative grade point average of 2.5.

SY375 Complex Organizations (3) SS1/SS2 Theory and research on structures and processes of large scale, formal organizations. This course is not accepted for the Social Science General Education requirement. Prerequisite: SY101.

SY/CL396 Sociological Practicum in Community Leadership (4) In this field placement course, students spend at least 150 hours, or 10-15 hours per week, in service-work/learning-work situations relevant to careers in public, social service, or non-profit organizations, in addition to regular meetings with the instructor. This practicum provides the practical experience for deepening community engagement and raising important questions about society and social justice. Prerequisites: CL100 or SY101 This course is not accepted for the Social Science General Education requirement.

SY397 Field Experience in Sociology (Variable) Approved career-related work experience in the field of Sociology, established by contract between Career Development, major advisor and student. Prerequisite: approval of the department chairperson. This course is not accepted for the Social Science General Education requirement.

SY398 Readings/Research in Sociology (Variable) Individually negotiated program of readings on selected topic established between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson. This course is not accepted for the Social Science General Education requirement.

SY399 Independent Research Project (Variable) Individually negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson. This course is not accepted for the Social Science General Education requirement.

SY402/EN402/EN502 Communities and Watersheds (3) SS1/SS2 Examination of the interface of communities and watersheds and the associated issues of stewardship and sustainability, using the Grand River and Grand Rapids as an example of the social significance of waterways in U.S. urban development. Prerequisite: SY101, EN201, EL100, or GY130

SY403 Capstone Seminar (4) SC Students will reflect on the meaning and application of the sociological imagination, through active reading and discussion. Students will produce a milestone statement and portfolio of academic achievement in the major. This portfolio will include the production of a final research or community based project, presented at a local or regional professional association, which will satisfy the final stage of the engaged department initiative. Accompanying these tasks will be professional development training, and guidance on employment and continued education options for graduating seniors. Prerequisites: Senior status and twenty (20) semester hours of sociology courses. This course is not accepted for the Social Science General Education requirement.

Sustainable Business

Deborah Stekete, Ph.D., Chair

Mission Statement. To prepare innovative change agents who will harness the power of business and the natural environment to foster financial prosperity, ecosystem resilience, and human flourishing.

Student Learning Outcomes. Principles for SB Student Learning Outcomes:

- Student Learning Outcomes incorporate knowledge, skills, and attitudes.
 - All Student Learning Outcomes are assessable.
 - Student Learning Outcomes reflect the unique challenges posed by the aspiration for sustainability.
1. Students will understand key concepts of sustainability science and pathways for addressing challenges at the interface of nature, society and business.
 2. Students will demonstrate literacy in a variety of corporate sustainability strategies and will be able to apply the tools of ethical business management for sustainability.
 3. Students will demonstrate effective communication skills.
 4. Students will be effective communicators in public presentations.
 5. Students will be able to articulate the business case for sustainability to both internal and external stakeholders.
 6. Students will be able to identify and analyze current and changing business contexts - including economic, environmental and social linkages in local, regional, national and global communities.
 7. Students will be able to articulate how they can contribute to an organization or graduate program.
 8. Students will demonstrate quantitative reasoning skills.

9. Students will be able to identify key quantitative variables affecting an organizational decision, access relevant information and propose an appropriate response.
10. Students will know and understand the role of markets and marketing in society and how they can be harnessed for sustainability.
11. Students will be able to evaluate an organization's market situation and recommend appropriate marketing strategies.
12. Students will understand the basic management functions of planning, organizing, leading and controlling and their use in integrating organizational resources to achieve success for sustainability.
13. Students will be able to navigate the process of acquiring and efficiently allocating financial resources within an organization.
14. Students will be able to generate, analyze and interpret financial information that will be useful in decision making and assessing performance.

Bachelor of Science in Sustainable Business (B.S.S.B.) Sustainable Business is interdisciplinary in nature, integrating natural and physical science, business, and environmental studies. Sustainable business practices improve long-term profitability, protect and restore the health of natural systems, and strengthen community relationships. A student completing the B.S. in Sustainable Business will be prepared for a career in private industry, non-profit organizations, government, or for graduate-level studies in sustainable business or a related discipline. Students must obtain a grade of C or higher in each required course to count toward a major or minor in Sustainable Business.

Sustainable Business Major

Major Requirements: Sixty-five (65) semester hours

Required Courses:

- | | | |
|--|----------------|---------------------------|
| — AG210 (4) | — CN101 (3) | — SB201* (3) |
| — AG211 (4) | — CY101 (3) NL | — SB315* (3) |
| — BS201 (3) | — EL100 (3) NN | — SB320* (3) SC |
| — BS202 (3) | — EL301 (3) | — SB395* (3) |
| — BS305 (3) | — ES211 (3) | — SB397* Internship (3–6) |
| — BS325 (3) | — PC291 (3) NN | |
| — BY123 (3) NL | — SB100* (3) | |
| — Two (2) courses chosen from the following: | | |
| - SB200* (3) | - SB204* (3) | - SB330* (3) GP |
| - SB202* (3) | - SB300* (3) | - SB346* (3) |
| - SB203* (3) | - SB310* (3) | |

* denotes Sustainable Business Department courses

Sustainable Business Minor

Minor Requirements: Twenty-eight (28) semester hours

NOTE: courses being counted toward another area of study may NOT be counted toward the SB minor; contact SB chair to develop personalized plan.

Required Courses:

- | | | |
|---------------------------------|--------------|---------|
| — AG211 | — EL100 (NN) | — SB201 |
| — BS201 | — EL301 | — SB315 |
| — BS202 | — SB100 | |
| — One (1) elective chosen from: | | |
| - SB200 | - SB203 | - SB300 |
| - SB202 | - SB204 | - SB310 |
| | | - SB320 |
| | | - SB330 |

- SB346
- SB395
- SB397

Course Descriptions:

SB100 Industrial Ecology (3) This course examines the advantages of nature-based industrial systems for humankind and the natural community. Intelligent approaches to sustainable energy and material systems are outlined and discussed. A wide variety of organizations that have begun a transition toward sustainable business practices are examined. Prerequisites: EL301 and BS201. This course is not accepted for the Social Science Distribution requirement.

SB110/BS110 Introduction to Business and Sustainability (3) Sustainability’s imperatives are reshaping the approaches and concerns of business as well as the ways in which business serves society. Using the lens of sustainability, this course explores businesses’ impact and strategic responses to compelling and complex issues such as climate change, biodiversity loss, water depletion, “toxification” of the environment, social equity and others. The learning approach includes lectures, class discussions, group work, guest speakers and occasional field trips.

SB200 Sustainable Energy Systems (3) This course examines production and consumption of various forms of sustainable energy appropriate for business. Subtopics include global and regional pollution issues, climate change, carbon sequestering, and energy efficiency. Renewable energy sources examined include solar, wind, fuel cells, hydrogen combustion, tidal, and ocean thermal. Prerequisite: EL301 or consent of instructor. This course is not accepted for the Social Science Distribution requirement.

SB201 Sustainable Business Management (3) The course examines intelligent approaches for provisioning goods and services that result in long-term business profitability, restored natural world integrity, and the emergence of vibrant and stable communities. We will discuss the variety of strategies and components necessary for effective sustainable business management and successful real-world organization transitions inside the movement. Prerequisite: SB100. This course is not accepted for the Social Science Distribution requirement.

SB202 Environmental Regulatory Compliance (3) Regulatory compliance strategies for business on local, state, and federal levels are outlined. Strategies for bringing small, medium, and large businesses in compliance with air, water, and solid-waste pollution regulations are discussed. Prerequisite: EL100. This course is not accepted for the Social Science Distribution requirement.

SB203 Sustainable Business in Corporations (3) Sustainability offers new opportunities (and challenges) for corporations. This course examines how corporations develop and implement sustainability strategies to address these emerging opportunities and challenges. We look at established industries and emergent companies as well as non-profits employing cutting edge technologies, and consider both national and international implications and drivers. The first half of the course examines corporate environmental sustainability, and the second half of the course explores corporate social sustainability. Students will learn to apply the tools of strategic business management to problems of sustainability. Case study analysis comprises a critical component of this course. Prerequisite: SB100 This course is not accepted for the Social Science Distribution requirement.

SB204 Sustainable Business Metrics and Reporting (3) For many corporations and organizations, the starting point for addressing sustainability challenges is baseline data collection and reporting. Sustainability reporting enables companies and organizations to report environmental, social and economic information in a way that is similar to financial reporting. In recent years, the number of organizations issuing such reports has increased rapidly. This course is an introduction to sustainability reporting and metrics in both corporate and academic settings. You will learn about sustainability reporting guidelines and best practices through lectures and by reading several sustainability reports. After gaining this foundational knowledge, you will be developing a sustainability report for Aquinas College. Prerequisite: SB100. This course is not accepted for the Social Science Distribution requirement.

SB/ES300 Environmental Economics and Policy (3) SS1 Microeconomic theory and models of environmental economics are examined, such as common property resources, externalities, environmental accounting, contingent valuation, and maximum sustainable yield, along with the complex economic and social impacts of environmental policy. Prerequisites: EL100 and ES211. This course is not accepted for the Social Science Distribution requirement.

SB310 Special Topics in Sustainable Business (3) Variable topics in sustainable business offered on an occasional basis. This course is not accepted for the Social Science Distribution requirement.

SB315 Building Social Capital (3) This course examines the role of social capital in building sustainable organizations and communities. The key elements and various forms of social capital will be explored by looking at the different ways that communities develop and how the human relationship with ecological systems can be sustained and enhanced. Ways to measure social capital will also be addressed in order to strengthen the understanding of this component of sustainable business and foster its application in the workplace. Prerequisite: SB100 or consent of instructor. This course is not accepted for the Social Science Distribution requirement.

SB320 Sustainable Business Innovations Lab (3) SC This experiential course engages students in collaborative design and innovation processes in order to meet sustainable business challenges and opportunities. Student teams research, design, analyze and communicate effective sustainable business solutions for different Aquinas or community clients. Prerequisites: SB100, SB201 and SB315. This course is not accepted for the Social Science Distribution requirement.

SB330 International Perspectives in Sustainable Business (3) GP This course examines the deployment of sustainable business practices around the world. Class discussions, lectures and assignments will explore the variety of sustainable business models and practices which may be found in differently developing countries and regions, as well as introduce the complexities of a practicing sustainable business in a globalizing world. Students will be challenged to analyze the significance of cultural, political, and socioeconomic contexts in designing products, processes, and business strategies and models which will further sustainable business criteria. Each semester, a particular region/country receives more intense examination, culminating with a ten-twelve day field visit to that region/country immediately following the end of the semester. The required field component for the course takes place in various locations throughout the regions/country. To participate in this required field component, students must complete the required forms and submit payments according to the dates outlined in the “Study Abroad for International Perspectives in Sustainable Business” contract and other materials posted for this field component on Course Connect. Prerequisites: SB100 and SB315 or consent of instructor. This course is not accepted for the Social Science Distribution requirement.

SB/EL/PS 346 Environmental Policy and Politics: Issues & Approaches (3) Introduction to environmental policy as a focus of public policy. The forces and frameworks shaping environmental policy as well as the influence of various actors will be examined through analysis of key environmental issues. PS 101 or EL100; or instructor permission This course is not accepted for the Social Science Distribution requirement.

SB395 Cases in Sustainable Business (3) This course offers an experiential approach to applying key sustainable business principles to current business challenges and opportunities. Topics examined each week will focus on a different issue related to recreating a sustainable management system for a fictional business. Writing, research and presentations will assess students’ reading readiness as sustainable business professionals and agents of change. Prerequisites: SB201 and SB315. This course is not accepted for the Social Science Distribution requirement.

SB397 Internship (3–6) The student works with a business or organization during a selected semester to improve its sustainable business practices. Prerequisites: SB201, SB315, and approval of department chairperson. This course is not accepted for the Social Science Distribution requirement.

SB398 Readings in Sustainable Business (3) Individually negotiated list of readings in sustainable business as established by contract between the student and professor. Contracts are filed with the Registrar. Prerequisite: approval of department chairperson. This course is not accepted for the Social Science Distribution requirement.

SB399 Independent Project (3) Individually negotiated project established by contract between student and professor. Contracts are filed with the Registrar. Prerequisite: approval of department chairperson. This course is not accepted for the Social Science Distribution requirement.

Theatre

Randy Wyatt, M.F.A., Associate Professor and Program Director

The Aquinas College Theatre program offers training for the aspirant theatre professional as well as looking to support and equip students interested in the integration of theatre arts into a variety of other careers such as

education, business, psychology and therapy, community leadership, arts advocacy, literature/cultural studies and theology and ministry.

The Aquinas College Theatre Program is committed especially to the exploration of contemporary dramatic texts, the devising and development of those texts, and preparing the student to analyze and interpret the dramatic work of yesterday, today and tomorrow.

Theatre Majors are required to participate (in some capacity) in one mainstage show per semester. At least twenty-two (22) semester hours within the degree must be taken at Aquinas College.

Theatre Major (B.A.)

Major Requirements: Forty-eight (48) semester hours in Theatre: the core (27 semester hours) and one concentration or “track” (21 semester hours) selected from the following options: performance (acting and/or directing), technical studies, creative dramatics or general studies.

Theatre Major CORE: Twenty-seven (27) semester hours

Required Courses:

- | | | |
|---|--------------|--------------|
| — TE141 (AP) | — TE244 | — TE361 AT |
| — TE220 AT, GP | — TE251 (AP) | — TE362 AT |
| — TE242 | | — TE400 (SC) |
| — Five (5) semester hours of Theatre Practica (TE253 and TE341)
<i>at least one semester hour in each area, counts for mainstage production and the Children’s tour only</i> | | |

Performance Track Requirements: Twenty-seven (27) semester hours of Theatre CORE courses plus twenty-one (21) semester hours below.

Required Courses:

- | | | |
|--------------|------------------|---|
| — TE140 (AP) | — TE241 or TE344 | — Nine (9) semester hours of theatre electives. |
| — TE223 | — TE342 | |
| — TE283 | | |

Technical Studies Track Requirements: Twenty-seven (27) semester hours of Theatre CORE courses plus twenty-one (21) semester hours below.

Required Courses:

- | | | |
|--------------|---|--|
| — TE130 (AT) | — TE254 three (3) semester hours of Design Mentorship | — Nine (9) semester hours of theatre electives |
| — TE351 | | |
| — TE420 | | |

General Studies Track Requirements: Twenty-seven (27) semester hours of Theatre CORE courses plus twenty-one (21) semester hours below.

Required Courses:

- | | | |
|--------------|-----------------|--|
| — TE130 (AT) | — TE278 (AP) | — Nine (9) semester hours of theatre electives |
| — TE241 | — TE/EH352 (AP) | |

Theatre for Social Change

The Theatre for Social Change (TFSC) major at Aquinas College is one of only a handful nationwide. This hybrid major is comprised of coursework from Theatre, Sociology, and Community Leadership. The Bachelor’s degree in TFSC is rooted in theory (Augusto Boal, Keith Johnstone), history and studio practice of performance alongside hours of hands-on service learning with community partners, the study of non-profit leadership skills including grant writing and intercultural communication, and the devising of an original capstone project. Students apply their aesthetic and storytelling talents to current social justice issues, declaring the truth of problems and exploring new approaches towards solutions--in real life situations, not just in the classroom.

Students will be prepared for a myriad of real world opportunities in performance, or to pursue further study in tangent fields such as clinical therapy, public administration, social work, education or performance studies.

This major is particularly suited to AQ's mission and strengths as an institution. It directly involves two of AQ's foundational charisms--service and community. Students will be heavily engaged through service learning by researching and then connecting with local community groups--ethnic, service, institutional, civic, social work, etc--identifying stories or challenges from within that community and then devising work for that audience or a general audience based on their first-hand primary research.

Major Requirements: Forty-five (45) semester hours

Required Courses:

- | | | |
|---|-------------------------|-------------------|
| — TE140 (3) AP | — TE/EH352 (3) AP | — CN301* (3) |
| — TE141 (3) AP | — TE361 or TE362 (3) AT | — CL396 ** (4) |
| — TE220 (3) AT, GP | — CL100 (3) | — CL/TE400 (4) SC |
| — TE242 (3) | — CL300 (3) | — SY260 (3) |
| — TE320 (3) AT | | |
| — Three (3) semester hours of electives from below courses: | | |
| - CL/SY209 (3) | - SY302 (3) | - TE244 (3) |
| - SY213 (3) GP | - TE241 (3) | - TE384 (3) AP |
| | | - TY255 (3) |

* Prerequisite is CN101, should be taken early on to fulfill GE requirement.

**TFSC students will be in consultation with Theatre Program Director during the On-site Practicum semester to guide the preparation for the Capstone Devised or Scripted Project.

Theatre and Business Administration Dual Major (B.S.B.A)

Designed for the Business student who is interested in Theatre Management.

Major Requirements: Fifty-seven (57) semester hours

Required Business Courses:

Business Courses:

- | | | |
|-----------------|-------------------|-------------------|
| — AG210 | — BS460 | — Choose one (1): |
| — AG211 | — Choose one (1): | - MS151 |
| — BS/EH106 (AP) | - BS442 | - MS252 |
| — BS201 | - BS457 | - MS494 |
| — BS202 | - BS492 (SC) | — ES211 |
| — BS305 | — CS152 | — ES212 |

Theatre Courses:

- | | | |
|--------------|--------------|------------------------|
| — TE130 AT | — TE251 (AP) | — Business |
| — TE141 (AP) | — TE361 (AT) | Administration/Theatre |
| — TE244 | — TE362 (AT) | Internship: TE397 |

At least twenty-eight (28) semester hours within the dual degree must be taken at Aquinas College.

Communication Major with a Theatre Emphasis

Major requirements: Thirty-eight (38) semester hours.

Required Courses: found under COMMUNICATION.

Theatre Minor

Minor Requirements: Twenty-five (25) semester hours

Required Courses:

- | | | |
|---|------------------|--------------|
| — TE217 | — TE141 (AP) | — TE251 (AP) |
| — TE242 | — TE223 or TE283 | — TE244 |
| — TE361 (AT) or TE362 (AT) | — TE130 AT | — TE253 |
| — TE341 (2 semester hours; counts for mainstage productions only) | | |

- At least ten (10) semester hours within the minor must be taken at Aquinas College.
- Theatre minors must participate in at least one of the theatre program's mainstage season productions per year.
- Students interested in vocal training are encouraged to contact the Music Department for the appropriate curriculum.

Course Descriptions:

TE100 Introduction to Theatre (3) AT Introduces theatre as an art form, exploring the collaboration process involved with playwrights, directors, actors, designers, technicians and the development by which the text is transformed to the stage. Includes attendance at theatre productions both on and off campus. Does not count towards the Theatre major.

TE123 Introduction to Musical Theatre (3) Exploration of the elements of American musical theatre. History, relevance to the theatre movement, and the collaboration process of playwrights, composers, lyricists, directors, choreographers, conductors, actors, designers and technicians are introduced.

TE130 Introduction to Theatre Design (3) AT Introduces the elements of design and interprets them theatrically: set, costume, and light design. Explores text interpretation and visual expression.

TE140 Improvisational Acting (3) AP Artistic method of improvisation focusing on the individual and ensemble exploring spontaneity, group cohesion and trust, pantomime skills, characterization and performance. Both comedic and dramatic improvisation are explored.

TE141 Acting I (3) AP Introduction to the technique of acting using theatre games, improvisation, text analysis, monologue and scene work, rehearsal etiquette and technique, and performance. Explores the release of tension and freeing the actor's body and voice. Rehearsals outside of class are required.

TE/EH217 Dramatic Literature (3) AT Study of the elements of drama through close readings of works from various ages and countries.

TE220 Contemporary World Theatre (3) AT. GP A survey course of globally significant plays, movements, performances and perspectives on live performance, including monologists, directors, devising teams and theorists from around the world. The course will also emphasize how global works--both Western and non-Western--have influenced the art form in the US and elsewhere. Readings and videos will come from multi-cultural America, English-speaking, Latino and European countries as well as Japan, China, India, Iceland, and Africa.

TE223 Voice and Diction (2) Speech theory and technique designed to improve a stage actor's vocal quality which may include breath, production, articulation and phonetics. Prerequisite: TE141 or consent of instructor.

TE241 Acting II (3) Deeper exploration into the technique of acting using method and non-method approaches to monologue and scene study. A more specific focus on vocal and physical awareness, character work, bold acting choices and genre. Rehearsal outside of class is required. Prerequisite: TE141 or consent of instructor.

TE242 Script Analysis (3) Artistic approaches to analyzing and interpreting dramatic texts for the purposes of directors, actors and designers. Includes Aristotelian, structural, image-based, action-based and research-based modes of analysis.

TE244 Stage Directing I (3) Introduction to the art of directing focusing on composition, picturization, audition, staging, dramatic rhythm and pace, rehearsal technique and leadership qualities. The course culminates with student directed ten-minute plays. Rehearsals outside of class are required. Prerequisite: TE242 or consent of instructor.

TE/MCEN250 Musical Theatre Workshop (2) Exploring the actor/singer/dancer by concentrating on acting the song, vocal production, dance, musical theatre auditions, and performance. Rehearsals outside of class are required. Prerequisites TE141, MCAP166 or consent of instructor. Can be repeated once as TE/MCEN350.

TE251 Stagecraft (3) AP Exploration of various technical aspects of theatrical production which may include scenery and property construction (metalwork, painting and rigging), lighting and sound, costuming, and make-up. Scene shop laboratory hours may be required.

TE253 Technical Theatre Practicum (1) Participating in a Theatre Program mainstage production in stage management, lighting, sound, scenery, props, costuming, or make-up and completing the requirements set forth by the production's technical director. Prerequisite: TE251 or consent of instructor.

TE254 Design Mentorship (1-3) The shadowing of a design professional (set, lighting, costume, sound, props, stage management or technical direction) working on a mainstage production. The student may be called upon to assist the mentor in various capacities. Observations are recorded in a journal and checked by/discussed by the mentor. May be repeated with different subject areas or different mentors. Prerequisite: TE130 or Program Director permission.

TE278 Dance Sampler (3) AP An introductory course covering several types of dance, including tap, jazz, modern and musical theatre.

TE279 Tap Dance (2) Introduction to tap dancing including basic steps, terms and combinations designed to increase strength and flexibility.

TE281 Ballet (2) Introduction to ballet including body position, terms and beginning sequences designed to increase strength and flexibility.

TE282 Modern Dance (2) Introduction to modern dance including free form techniques and exercises designed to increase strength and flexibility.

TE283 Stage Movement (2) Theatrical movement techniques designed to break physical habits, release tension, explore physical character, increase strength and flexibility, begin aerobic activity and may introduce classical styles. Prerequisite: TE141 or consent of instructor.

TE310 Special Topics in Theatre (variable) Offers focus on a specialized area in theatre when resources are available.

TE320 Theatre for Social Change (3) AT This course provides a survey of the types of theatrical approaches under this heading, including educational theatre and theatre for young audiences, performative techniques in social work and the public sector as well as the corporate sector, and the applied theatre with an emphasis on social justice. Students will be exposed to both practice and process type work in a variety of contexts, including marginalized groups, a variety of age demographics, prisons, institutions, and others. Students will also engage in praxis for building original work through ethnographic research and group devising.

TE340 Acting III: Rotating Styles (3) Acting technique open to explore major period styles and genres. Rehearsals outside of class are required. Prerequisites: TE141, TE241 or consent of instructor; can be repeated once.

TE341 Acting Theatre Practicum (1) Participating as an actor in a Theatre Program mainstage production and completing the requirements set forth by the production's director. Prerequisite: Consent of instructor by audition.

TE342 Audition Technique (2) Exploring the professional theatre and film audition by focusing on material selection and preparation, appearance, impression, and headshot/resume techniques. Prerequisite: TE141 or consent of instructor.

TE344 Stage Directing II (3) Deeper study in the art of directing focusing on concept, classical and stylized theatre, musical theatre, and other genres. The course culminates with student directed scenes. Successful completion of this course allows the student to propose and, if chosen, direct the annual student laboratory production (see TE444). Rehearsals outside of class are required. Prerequisite: TE244 or consent of instructor.

TE351 Technical Theatre (3) Concentrative study on a rotating area of theatrical design or technical study, including set, costume, lighting or sound design, stage management, props design and construction, make-up design or technical direction. Scene shop hours may be required. May be repeated twice for credit. Prerequisite: TE251.

TE/EH352 Script Writing (3) AP Writing scripts for the stage and/or screen and the study of the elements of script writing. Prerequisite: EH210 or consent of instructor.

TE361 Theatre History I (3) AT Survey from Greek theatre to the closing of the theatres in Commonwealth England (1642). Designed to familiarize the student with various periods of theatre history, both the physical aspects and the genre of drama that evolved from each period. Readings of representative plays are required.

TE362 Theatre History II (3) AT A continuation of TE361; from Restoration England (1660) through contemporary. Readings of representative plays are required.

TE384 Children's Theatre (3) AP Explores dramatic texts intended for child audiences. Introduction to performance techniques for YA audiences as well as to major contributors to the field of children's theatre. Performances may be required. Prerequisite: TE141 or consent of instructor.

TE397 Theatre Internship (variable) Opportunity for students to gain credit for a non-academic theatre experience. Prerequisite: Consent of theatre director.

TE399 Independent Project in Theatre (variable) Individually negotiated project in student's area of interest established by contract with instructor. One semester hour is required for the theatre major designed to prepare students entering the theatre profession or graduate school. The project may focus on life in the theatre, portfolios, resumes, job search, audition material, agents, casting directors and the local and national theatre scene. Contracts are filed with the Registrar. Prerequisite: Consent of theatre director.

TE/EH410 Shakespeare (3) SC Introduction to the reading and study of Shakespearean tragedy, comedy and tragic-comedy. Prerequisite: EH221 or EH/TE217 with a grade of C or higher.

TE420 Theatre Management (3) A seminar-based course in the leading and promotion of theatrical organizations, both for-profit and non-profit. Fundraising, visibility, and organizational structure and guidelines are discussed. Prerequisite: Junior or senior status.

TE440 Acting IV: Contemporary Scene Study (3) A high-intensity studio acting course that serves as both a scene-study studio and as a survey of contemporary playwrights and dramatic literature. Up to 36 plays/playwrights are sampled from and assigned as scenes with rotating teams of partners for in class workshop and critique from both peers and the instructor. May be repeated once for credit. Prerequisite: TE241.

TE444 Student Laboratory Production (1-3) Annually, a student can be chosen through a proposal process to direct a laboratory production. The process will be mentored by a faculty member and students other than the director can participate based on audition or interest (actor, stage manager, designer, or producer). These productions are performed in the student theatre laboratory Prerequisites: consent of theatre director. one (1) credit=50 hours; two (2) credits=100 hours; three (3) credits=150 hours of service. Can be repeated.

TE463 Individual Research in Theatre (3) Thesis research in areas which may focus on theory, history, or styles; research in marketing and advertisement for a Theatre Program mainstage production or student laboratory production; serve as dramaturge for a Theatre Program mainstage production or student laboratory production; or project proposed by student. Requirements set by instructor. Prerequisite: Consent of Theatre Program Director.

TE400 Theatre Capstone Project (Variable) SC This is the culmination of a student's education demonstrated in a performative/creative project OR research project, developed in regular consultation with the Program Director and/or a designated project advisor.

Theology

Stephan Davis, Ph.D., Chairperson

Robert P. Marko, Ph.D.; Dennis Marshall, Ph.D.

Mission Statement Following St. Thomas Aquinas, our patron, faculty and students together seek the truth of existence as it emerges in the human response to God's invitation to participate in the fullness of life. Theology at Aquinas College attends to human existence and life and contemporary concerns in light of Sacred Scripture, church tradition, and the natural law which mirrors God's eternal wisdom. Committed to the theological enterprise of "faith seeking understanding," the Theology Department is an integral and indispensable part of a Catholic liberal arts education.

Departmental Goals:

- To root students in Scripture, the soul of theology.
- To faithfully transmit to students the Catholic tradition.
- To promote in students action in the world that springs from the Truth of the Gospel, placing themselves at the service of Life and Love.

Theology Major

Major Requirements: Thirty-six (36) semester hours

Required Courses:

- TY120
- TY131
- One additional course in Sacred Scripture:
 - TY211
 - TY240
 - TY271
 - TY377
- One course in Spirituality
 - TY215
 - TY267
- Twelve (12) semester hours of Theology electives

The following courses serve as the senior capstone: TY400 (SC), TY293 (SC), or TY345 (SC). At least twenty-one (21) semester hours should be earned at Aquinas.

Theology Minor

Minor Requirements: The Theology Department offers a minor in Theology. A minor is designed to provide an organized format of courses beneficial to students in supplementing their major with courses from the Theology Department. A minor requires a minimum of eighteen (18) semester hours, the specific courses determined in consultation with the department.

In conjunction with the Department of Music, the Theology Department supports the Bachelor of Music degree in Liturgical Music and the Liturgical Music Minor. Consult Music Department entry for requirements.

Certificate in Theological Studies

This certificate was developed by the Faith Formation of the Diocese and the Aquinas Theology Department for lay people engaged in ministry and those persons who want to further their theological education.

Certificate Requirements: Eighteen (18) semester hours

Required Courses:

- TY120
- TY131
- TY147
- TY211
- TY212
- TY250

Course Descriptions:

TY120 Sacraments (3) TF An introduction to Sacramental Theology and Liturgy that explores the biblical, historical and liturgical aspects of the Church’s Sacraments.

TY131 Bible as Story (3) TF A theological and literary introduction to the biblical story, from creation to apocalypse. Follows the great themes of the Bible, such as paradise, peoplehood, and the presence of God. Students will learn to interpret biblical stories, discover the images and themes that appear throughout the Christian Bible, and gain an appreciation of scripture as the root of Christian faith today.

TY140 Faith and Meaning (3) TF Explores faith, worldview, and the meaning of life from a Christian perspective, guided by biblical readings and the writings of C.S. Lewis. Students will discover the connection between the biblical story and its language, theology, and distinctive Christian forms of life.

TY147 The Catholic Vision (3) TF This course introduces students to Roman Catholic tradition and its faith, doctrines, theology, ritual, spirituality and moral life. Its goals include 1) acquainting students with the distinctive spirit of the Catholic vision and tradition as it relates to other Christian denominations and religious traditions; 2) helping students to

recognize that Catholicism is a theological heritage that encompasses a rich tradition of persons, doctrines, ways of celebrating, moral living, praying and social justice; and 3) familiarizing students with the challenges that contemporary Catholicism faces in the Third Millennium.

TY150 A Vision for Catholic Youth Ministry (1) An introduction to Catholic youth ministry as envisioned by church documents and in dialogue with contemporary theory and practice. Explores the historical context and present models, and introduces the leadership system of Renewing the Vision.

TY151 Leadership in the Parish Setting (1) Explores effective leadership concepts in order to identify those most suitable for parish youth ministers, catechetical leaders and those teaching theology in Catholic schools. Students will learn methods of recruitment, training, and establishing a leadership system.

TY152 Youth Ministry Methods (1) Explores the elements of program planning and volunteer management for the implementation of the vision of Catholic youth ministry.

TY154 Faith Growth (1) The application of developmental psychology to faith formation for parish youth ministers, catechetical leaders and those teaching theology in Catholic schools. Also exposes students to social science data about the religious attitudes of young people in the U.S.

TY170 Wrestling with God (3) TF Considers the question of God's existence. Investigates the human capacity to know, love and speak intelligently about God. Examines arguments both for and against God's existence and gives special consideration to the challenges suffering poses to faith. Explores the relationship between faith and reason, and science and religion. Evaluates the effect secularization has on religious belief and pays special attention to the challenges that a postmodern situation presents to traditional belief in God.

TY210 Theology of the Person (3) TF Discussions and readings (biblical, classical, and contemporary) related to the topic of Christian Anthropology. Topics covered include: Creation; Being Human (imago Dei, free, relational, etc.); Sin; Grace; Death; Judgment; Heaven and Hell.

TY211 Jesus (3) TF Explores the New Testament portraits of Jesus, including how the first Christian theologians re-interpreted Jewish scripture. Students will compare episodes in the Gospels and become aware of images of Christ in narrative, epistle and poetry. Also introduces the 'historical Jesus' debate and the cultural setting of the Jesus movement.

TY212 Vatican II and the American Catholic Experience (3) TF This course examines the major documents of the Second Vatican Council and how the paradigm shift experienced impacts the Roman Catholic tradition in the United States since 1965. After setting the historical context of Vatican II and its place in the Catholic theological tradition, the major themes of the council are addressed with a careful reading of select documents. Attention is then given to how the shifts in Vatican II, rooted in the documents, has affected contemporary concerns in the United States such as ecumenism and inter-religious dialogue, understanding of church, the nature of theological reflection and relationship of faith to the world.

TY215 Introduction to Christian Spirituality (3) TF Introduces students to contemporary spirituality grounded in the quaternion nature of the human person who is called to live in relationship with God, self, others and material creation. The course helps students understand spirituality as living in the presence of God and to appreciate how the major themes of the Christian spiritual tradition have concrete implications for responding to this gracious mystery.

TY224 Theology of Christian Marriage (3) TF Explores the meaning of love, marriage, and human sexuality from a theological perspective. Aided by the insights from the psychological and social sciences, as well as ethical philosophy, this course seeks to comprehend an appropriately Christian vision of the meaning and purpose of human sexuality and love.

TY230 The Liturgical Year (3) Historical, theological, and scriptural study of the seasons and feasts of the Liturgical Year; meaning of celebrating and living liturgical spirituality for contemporary persons. This course is not accepted for the Theological Foundation requirement.

TY240 Theology of Paul (3) TF Probes the Apostle's theology in its Jewish context. The course focuses upon the form of Paul's letters, the different situations he addressed, his understanding of Jews and Gentiles together, his vision of Christ, and his interpretation of the Jewish Bible (the Old Testament).

TY250 Christian Morality (3) TF An Introduction to Christian ethics or moral theology that, from the Catholic moral tradition, considers ethical sources, the meaning of the acting person, and selected sexual, bio-medical and social justice

issues. Themes covered include: ethics in a post-modern world, faith and ethics, church authority, conscience, natural law, sin, virtue and making moral decisions.

TY255 Catholic Social Teaching (3) TF An introduction to the official social teachings of the Catholic Church and the lived experience of the Judeo-Christian tradition in the United States since the end of the nineteenth century. Attention is given to the theological vision, the anthropology, and the principles used by the Church in its moral reflection on the various social problems of our day including rights and duties of workers and employers, racism, sexism, attacks on the dignity of human life and the family, political tyranny, economic injustice in the Third and Fourth worlds, and war.

TY267 Women and Spirituality (3) This course will explore the topic of spirituality focusing especially on women. We will approach our studies through readings, class presentations and discussions on Scripture, Tradition and Church history; the anthropology/sociology of gender relations; the lives of women mystics; the experience of women in selected works of literature; the experience of contemporary women (guest speakers) and the experience of class participants. Class readings, presentations and discussions regarding all of the above will strive to incorporate varying experiences of race, culture and life stage development. This course is not accepted for the Theological Foundation requirement.

TY271 Judaism at the Time of Jesus (3) TF An exploration of the diverse theology and literature of early Judaism. Includes an extended study of the Dead Sea Scrolls. Other foci include early Jewish biblical interpretation, the Old Testament Apocrypha and Pseudepigrapha, the so-called rewritten Bible, Jewish apocalyptic, the Jewish historian Josephus, and the Jewish philosopher Philo. Students will gain an appreciation of the Jesus movement in its native context and discover the Jewish roots of Christian theology.

TY293 Christology (3) SC An introduction to the Christian tradition's understanding of Jesus as the Christ. After a brief review of the biblical data, this course considers the tradition's reflection on Jesus of Nazareth as found in the early Christological councils and later theologians. This course is not accepted for the Theological Foundation requirement.

TY/MCHL306 Music in Liturgical Celebration (3) Integrated study of music and liturgy; historical, theological study of basic liturgy and function of music in liturgy; musician's role in a parish.

TY310 Special Topics in Theology (3) TF Prerequisite: Theological Foundations Requirement or Instructor Approval

TY312 Liturgy and Ministry (3) Development of skills in liturgical planning and liturgical ministries by guided experience, evaluation, readings, and discussion.

TY315 Eucharist: Source and Summit of Christian Life (3) The Second Vatican Council teaches that the Eucharistic sacrifice is "the source and summit of Christian life" (Lumen Gentium, no. 11). The goal of this course is to see how the Eucharist had been the source and summit of the life of the early Church, and remains as the center of the Church today, and will continue to do so to the end of time. This course is not accepted for the Theological Foundation requirement.

TY320 Theologians of the Great Tradition (3) TF A focused study of the work of a theologian or theologians of the Christian theological tradition. Prerequisite: a theology course or instructor approval. Credits may be earned under different titles. Offered as TF when instructor approves.

TY345 Church and Spirit (3) SC This introduction to ecclesiology sets the church within the contemporary historical, sociological and theological context. Models of the church, how the church saw itself throughout various historical periods, its nature and mission as formulated in Vatican II, and challenges for the future are considered. This course is not accepted for the Theological Foundation requirement.

TY370 Theology of Ministry (3) A biblical and historical examination of Christian ministry. Compares pre- and post-Vatican II Catholic ideas. Topics include lay and ordained ministry, gender issues and recent advances in faith formation.

TY377 Languages of the Bible (3) TF Introduces students to biblical Hebrew and Greek vocabulary, verb systems, grammar and syntax. May include a brief introduction to biblical Aramaic. Prerequisite: A Scripture course or professor approval.

TY397 Field Experience in Theology (Variable) Approved career-related work experience in the Theology field, established by contract between Career Development, major advisor and student. Prerequisite: approval of the department chairperson.

TY398 Readings in Theology (Variable) Individually-negotiated program of readings on selected topic established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

TY399 Independent Project (Variable) Individually-negotiated project of defined nature established by contract between instructor and student. Contracts filed with Registrar. Prerequisite: approval of the department chairperson.

TY400 Senior Seminar (Variable) (3) SC A Senior level study of selected topics from Biblical, Doctrinal, Ecclesial, Moral, or Systematic Theology.

Translation and Interpretation

Michel Pichot, Ph.D., Program Director

Stéphane Bédère, M.A.; Katharina Häusler-Gross, Ph.D.; Marcos Romero, Ph.D.; Shelli Rottschafer, Ph.D.; Carmen Ruiz-Sánchez, Ph.D.

The Bachelor of Science in Translation and Interpretation is designed for students who are seeking the professional focus and interdisciplinary breadth that the B.S. degree offers with the inclusion of a minor or double major to develop the skills needed to use world language translation and interpretation in a professional setting. It introduces the basics of translation and interpretation theory as applied to the actual practice of translation and interpretation.

Major requirement: Thirty-five (35) semester hours in a concentration in French, German or Spanish. This professional four (4) year degree program is designed for undergraduate students interested in a career in translation/interpretation.

Program Goals:

1. Acquire proficiency in language and culture at the intermediate-high/advanced-low level.
2. Understand the theoretical principles of translation and interpretation and utilize translation tools effectively.
3. Demonstrate the ability to use specialized language in environments such as health and social sciences, business, legal studies, social services, education, and community.

The three (3) concentrations: French, German or Spanish (into English), offer three components for each concentration:

- **Language and culture study:** Grammar, composition and culture courses to develop proficiency.
- **Professional language:** Theory and practice, translation tools, and specialized language courses.
- **Subject area specialty:** Minor/second major requirement to enable translation/interpretation students to acquire knowledge in a specific field in which they can specialize. These include fields in which there is currently high demand for translators and interpreters such as: Applied Science, Chemistry, Computer Information Systems, Biology, Kinesiology, Psychology, Legal Studies, International Studies, Political Science, Sustainable Business, Business Administration, Communication, English, Community Leadership, World Languages.

French concentration:

Required Courses:

- | | | |
|------------------|-----------------------------|------------------|
| — WL201 (4) | — WL327 (3) | — TI405 (3) |
| — WL202 (4) | — WL401 (3) | — TI415 (3) (SC) |
| — WL301 (3) (WI) | — WL413 (3) or TB-B1 French | — TI495 (3) |
| — WL302 (3) | Translation (Offered at | |
| — WL325 (3) | CIDEF-UCO, Angers, | |
| | France) (3) | |

German concentration:

Required Courses:

- | | | |
|------------------|-------------|----------------|
| — WL201 (4) | — WL309 (3) | — TI405 (3) |
| — WL202 (4) | — WL326 (3) | — TI415 (3) SC |
| — WL301 (4) (WI) | — WL401 (3) | — TI495 (3) |
| — WL302 (3) | — WL413 (3) | |

Spanish concentration:

Required Courses:

- | | | |
|--------------------------|----------------|--|
| — WL202 (4) | — TI333 (3) | — WL303 (3) or TI416 |
| — WL301 (4) | — TI334 (3) | — TI495 (3) |
| — WL302/311 or WL312 (3) | — TI405 (3) | — Three (3) elective credits at the 300 level in Spanish |
| — WL304 (3) | — TI415 (3) SC | |

Students seeking to major in Translation and Interpretation must complete all courses that are applied towards the major with a grade of “C” or higher (i.e. in 201, 202, 301, 302 and any other 300-and 400-level courses).

At graduation the student must have a cumulative G.P.A. of B (3.0) or higher in those courses used to fulfill the major requirement. At least eighteen (18) semester hours must be taken at Aquinas College, which may include courses taken while studying abroad.

Translation and Interpretation Course Descriptions:

NOTE: WL- World Language related course descriptions are located under the World Languages Department section.

TI333: English/Spanish Medical Interpretation (3) This course consists of investigating the theory, application and practice of English-Spanish and Spanish-English medical interpreting and translating. Throughout the course, students will practice and perfect sight translations, consecutive interpretations, and simultaneous interpretations in English-Spanish and Spanish-English. This course is primarily designed to assist students who are currently involved with the medical profession and students wishing to pursue a career related to medicine or interpreting and/or translating. Prerequisite: WL301 or equivalent.

TI334 Introduction to Spanish/English Community Interpreting (3) This course consists of introducing students to the theory, application, and practice of English/Spanish and Spanish/English community interpreting. Throughout the course, students will practice and perfect sight translations, consecutive interpretations, and simultaneous interpretations in English/Spanish and Spanish/English. The translations and interpretations will primarily cover the fields of social services, schools, and other community-based settings. Legal and medical interpreting will also be discussed but will not be practiced in this course. This course is primarily designed to assist students who are interested in pursuing a career related to interpreting and/or translating as well as those who wish to improve their proficiency in written and oral Spanish. Prerequisite: WL301 and WL302.

TI405 Theory and Business of Translation (3) Students from various language interests will explore and discuss theoretical approaches to translation, practical problems translators encounter, and prepare themselves for careers in translation. In addition, the course will be supplemented with distinguished professionals in the field of translation to discuss their own translations and experiences in translation. Prerequisite: WL202 or instructor approval.

TI415 French Translation: Concepts and Practice (3) SC Introduction to methods, techniques, and problems involved in translating from French into English. Emphasis is on the practice of translating general materials with some consideration for the translation of specialized materials, such as subtitles. The course will also involve the discussion of

translation problems, recognition of appropriate solutions, and the use of specific translation strategies in French to English translation. Prerequisite: WL301 or equivalent. Co-requisite TI405.

TI415 German Translation: Concepts and Practice (3) SC This course introduces the basic concepts, techniques, and practices for written translations from German to English, and is specifically designed for the understanding of writings in the business and STEM fields. Attention is given to the specialized vocabulary, idioms, and sentence structure used in these areas. Translations of current topics (G>E) will develop students' reading and comprehension skills, cultivate strategies and techniques to translate a variety of professional texts from different subject areas (with a focus on scientific, technical and business translations), and practice typical problems that a translator encounters when faced with texts related to various academic disciplines and business situations. Through hands-on practice and exercises, participants develop the fundamental analytical, cognitive, and linguistic skills that are essential for professional written as well as sight translations. Students will also learn how to use a variety of dictionaries, glossaries, and handbooks that are useful for translators, and discuss the practical application of translations as well as typical tasks that a translator faces today. Prerequisite: WL301 or equivalent. Co-requisite TI405.

TI415 Spanish Translation: Concepts and Practice (3) SC In this course students will confront problematic grammatical and discursive issues, and analyze them in depth as they compare Spanish and English during translation tasks. The goal of this course is, therefore, to use translation to provide learners of Spanish with hands-on manipulation of grammatical, lexical, discursive, and cultural detail, so that they can improve their understanding of the Spanish language and appreciate the complexity and rigorous nature of professional translation. Prerequisite: WL301. Co-requisite WL405.

TI416 Spanish Translation Across Disciplines (3) This is an advanced course in translation with a focus on medical, scientific and technical texts or literary texts. Students will deepen their knowledge of translation theory and will be trained to build and consolidate their skills in specialized translation. The course will, therefore, combine practical translation work with use of a range of methodologies and utilities for exploiting and managing language resources for the purposes of translation. The practical translation element will focus on written translation, into English, of technically complex texts; these may include extracts from scientific research papers, patents, technical instructions, brochures, clinical trials, and other popular scientific texts. Prerequisites: WL301 and TI405, recommended: TI415

TI495 Translation and Interpretation Practicum (3) A full time (or equivalent part time) work assignment that provides the opportunity for the student to extend classroom learning through work experience in an appropriate setting. Prerequisites: TI333, TI334, TI415 or TI416.

Urban Studies

Richard McCluskey, Ph.D., Advisor

NOTE: Urban Studies is recommended as a minor especially to students majoring in business administration, geography, history, political science, or sociology.

Mission Statement: The mission of the Geography and Environmental Studies Department at Aquinas College is to provide students with knowledge of geography and environmental studies befitting their goals: for the general education students that they understand basic tenets of physical geography, human geography, and/or environmental studies; for the education certification students that they obtain the content knowledge necessary for their teaching careers; and for the geography and environmental studies majors that they possess the knowledge and skills necessary for them to succeed in their post-baccalaureate careers.

Urban Studies Minor

Minor Requirements: Twenty-two (22) semester hours

Required Courses:

- GY212 (4)
- PS203 (3)
- SY302 (3)

- Twelve (12) semester hours from the following:

- GY120 (4) GP	- PS/CL345 (3) SS1	- SY260 (3)
- GY264 (3)	- PS/ES376 (3)	- SY261 (3)
- HY218 (3)	- SY102 (3)	- SY312 (3)
- PS205 (3)	- SY162 (3)	
- PS/BS340 (3)	- SY213 (3) GP	

Women’s Studies

Amy Dunham Strand, Ph.D., Assistant Professor of Women’s Studies and Director of the Jane Hibbard Idema Women’s Studies Center

Mission Statement: The Jane Hibbard Idema Women’s Studies Center serves as a community resource for women’s and gender issues, promoting awareness of these issues through its programs and curriculum and empowering students and community members to become advocates for gender equality and social justice.

Student Learning Outcomes. Students completing the Women’s Studies minor will:

1. be aware of women’s historical and contemporary roles, their accomplishments, and their experiences in our society and across cultures.
2. understand the value and contributions made by women in many spheres of life (e.g. family, workplace, science, religion, politics, arts, and education).
3. demonstrate an awareness of gender, race, nationality, class, and sexual identity issues and how these conditions shape human experience.
4. have the knowledge and skills to act as advocates for social change in the future.

The Women’s Studies Minor:

1. is an interdisciplinary academic curriculum that exposes students to women’s historical and contemporary roles, their accomplishments, and their experiences in our society and across cultures.
2. introduces students to valuable, often neglected information about women in many spheres of life (e.g. family, workplace, science, religion, politics, arts, and education).
3. raises questions about gender, race, nationality, class and sexual identity, and explores how these conditions shape human experience.
4. helps us understand the complexity of women’s and men’s lives.
5. challenges stereotypes and encourages students to think critically about themselves and the world in which they live so they can become advocates for social change.

Women’s Studies Minor

Minor Requirements: Twenty-one (21) semester hours

Required Courses:

- WS100 Introduction to Women’s Studies (3)
- WS/HY309 Women in American History (3)
- WS/PS325 Feminist Theory and Activism (3)
- Twelve (12) elective semester hours of course offerings from the list of courses offered below:

NOTE: ALL Women’s Studies courses qualify for General Education credit for the Social Science: Group 1 AND Group 2 Distribution.

Course Descriptions:

WS100 Introduction to Women's Studies (3) SS1/SS2 This course is designed to introduce students to Women's Studies as an area of interdisciplinary study and research. Students will read classic and contemporary texts from a variety of disciplines in the Humanities, Social Sciences, and Sciences. Topics include women's contributions to the arts, sciences, and religion, an overview of feminist/womanist theory, epistemological issues, and feminist research methodologies. The course offers students the opportunity for cultural and cross-cultural study of the effect of representations and the various ways assumptions about gender, race, class, ethnicity, and sexual orientation impact identities and shape perceptions, thinking, and actions in everyday life.

WS200 Special Topics in Women's Studies (Variable) SS1/SS2

WS/SY207 Arab Women (3) SS1/SS2, GP This course explores various Arab communities, both historic and contemporary, to focus on the diverse lives of Arab women: tribal nomadic, small village, immigrant and urban. Through reading a variety of genres, including the novel, ethnography, memoir, and poetry, the course examines Arab practices and reflects on the dynamics of gender and power in students' own cultures.

WS/PG211 Psychology of Women (3) SS1/SS2 This course presents concepts, theories, and issues surrounding the psychology of women. Theory and research focused on gender differences will be reviewed and discussed. Current issues including violence against women, sexual assault on college campuses, feminist approaches to therapy, workplace issues experienced by women, and family and relationship issues will also be explored

WS/AT252 Women, Ceramics, and the Creative Process (3) SS1/SS2, AP This course features the study of contemporary, groundbreaking women ceramic artists through lecture, discussions, and studio work in clay.

WS/EH255 Women Writers (3) SS1/SS2, AT This course focuses on selected texts in English by female authors and draws from all genres and periods.

WS260 Women and the Environment (3) SS1/SS2 This course explores representations and theories of ecofeminism that connect nature and women, as well as the work of pioneering and contemporary environmental advocates, such as Rachel Carson, Wangari Maathai, Vandana Shiva, and West Michigan women who have led the modern environmental movement. Through a range of readings, written responses, discussion, and a final community engagement project, students apply course models to shape an environmental consciousness for themselves.

WS/TY267 Women and Spirituality (3) SS1/SS2 This course explores the topic of spirituality focusing especially on women, approaching studies through readings, discussions, and class presentations on Scripture, Tradition, and Church history; the anthropology/sociology of gender relations; the lives of women mystics; the experience of women in selected works of literature; the experience of contemporary women, including guest speakers; and the experience of class participants. Class readings, presentations, and discussions regarding all of the above will aim to incorporate varying experiences of race, culture, and life stage development. This course is not accepted for Social Science General Education credit.

WS/SY305 Masculinities, Femininities, Sexualities, and Society (3) SS1/SS2

This course is designed to examine the ways in which gender, as a social construction, influences various aspects of social life. Particular attention is given to the role of ideology in shaping conceptions of gender, how those conceptions are constructed through socialization practices, and how they are maintained through social institutions such as family, economy, education, media, medicine, government, and religion.

WS/HY309 Women in American History (3) SS1/SS2 In this social-historical introduction to history from a feminist perspective, focusing on women's lived experiences in the United States from the colonial era to the present, topics include: American Colonial women, Native American women, the impact of slavery on all American women, women's legal issues, and nineteenth- and twentieth-century social movements, such as movements for suffrage, temperance, social reform, women's liberation, and the Equal Rights Amendment.

WS/CN311 Gender Communication (3) SS1/SS2 This course focuses on the principles of and perspectives on the similarities and differences in men's and women's communication. It also presents skills that men and women can use to communicate more effectively.

WS314/SY311 Women, Girls, and Leadership (3) SS1/SS2 An examination of how the status of women is defined and how social constructions influence various aspects of social life. Utilizes a sociological approach and theories that have

contributed to establishing current ideas about women and girls, leadership, socialization practices and how they are maintained through social institutions.

WS/SY315 Women and Development (3) SS1/SS2 This course examines women's involvement in development and social change activities across diverse societies. Sociology and women's studies theories and analyses are used to understand development roles played by women in public and private spheres.

WS320 Contemporary Issues in Women's Studies Seminar (Variable Content 3 credits) GP This is an interdisciplinary course in Women's Studies, using a gender lens informed by feminist theory to understand a contemporary issue from multiple conceptual perspectives - disciplinary (arts, humanities, social sciences, sciences); geographical (local, regional, national, global); and methodological (quantitative, qualitative, and creative) in order to better understand and engage intersectional identities and issues around the globe. Prerequisites: WS100 or instructor approval.

WS/PS325 Feminist Theory and Activism (3) SS1/SS2 Feminist Theory and Activism is designed to explore different ways of thinking about sex/gender, power, and justice, and examines how different theories of gender, power and justice shape political activism. By comparing a variety of theoretical perspectives (such as liberal, Marxist and radical feminism), we look at different possibilities for analyzing core feminist concepts and the practical implications of theory. This course is not accepted for Social Science General Education credit.

WS397 Field Experience—WS398 Independent Readings—WS399 Independent Project (Variable) SS1/SS2 These courses may be taken with the approval of the Director of the Women's Studies Program.

Other approved Women's Studies courses are also offered occasionally and are accepted as electives. Courses are described within the departmental entries in this catalog.

SY263 Juvenile Delinquency (3), SY312 Social Stratification (3), SY213 Race and Ethnicity (3)

World Languages

Marcos Romero, Ph.D., Chair

Stéphane Bédère, M.A.; Katharina Häusler-Gross, Ph.D.; Michel Pichot, Ph.D., Shelli Rottschafer, Ph.D.; Carmen Ruiz-Sánchez Ph.D.

The Department of World Languages offers courses in French, German, Japanese, Latin, Spanish, and Methods of Teaching Foreign Languages in K-12. Major studies may be pursued in French, German, and Spanish through departmental offerings at Aquinas College and through Study Abroad programs. Minors may be obtained in French, German, Japanese, and Spanish.

Delta Phi Alpha, the Aquinas College Tau Epsilon Chapter of the National German Honor Society, promotes the continued study of German language, literature and civilization, and recognizes excellence in scholarship in German studies.

Bachelor of Arts in World Languages (BA)

Major requirement: Thirty-five (35) semester hours in a concentration in French, German or Spanish

French Concentration:

Required Courses:(exclusive of WL101 and WL102)

- | | | |
|----------------|----------------|---|
| — WL201 (4) | — WL325 (3) SC | — Twelve (12) elective semester hours in French at the 300-400 level for a total of 35 semester hours |
| — WL202 (4) | — WL327 (3) | |
| — WL301 (3) WL | — WL401 (3) | |
| — WL302 (3) | | |

German Concentration:

Required Courses: (exclusive of WL101 and WL102)

- | | | |
|-------------|----------------|----------------|
| — WL201 (4) | — WL301 (4) WI | — WL401 (3) SC |
| — WL202 (4) | — WL302 (3) | |

At graduation time, the student must have a cumulative G.P.A. of B– (2.7) or higher in those courses used to fulfill the minor requirement.

NOTE: the language minor is not available for students seeking teacher certification.

Language Requirements for General Education Program

To successfully complete the two-semester language requirement (101 or 110 and 102 or 120) for the General Education program, all languages offered by the department count to fulfill this requirement. However, students must complete the sequence and receive a minimum grade of “C-” or higher in 101 or 110 and 102 or 120. Traditional-age first year students and transfer students who have not earned an Associate of Arts Degree must take a language proficiency test for correct placement in, or possible waiver from, the required language courses. Students who have not studied a foreign language in high school, or those who choose to study a language other than the one taken in high school, will be placed in a 101 level course. Transfer students who have earned an Associate of Arts degree and Continuing Education students are not required to fulfill a language requirement under the General Education Program.

A maximum of sixteen (16) semester hours toward the major or minor may be earned through Credit by Examination (CBE) or through Credit for Demonstrating Prior Learning and Competencies (CDPLC). Before applying for CDPLC, students should consult the Student Guide for CDPLC. The department chairperson must approve all CDPLC credits.

Important Information for Education Students

Students seeking Elementary and/or Secondary Michigan teacher certification must have a major in French, German, or Spanish. In Spanish, students can obtain an Elementary (K-8) or Secondary Certification (K- 12), in German and French; students can obtain a Secondary Certification (6-12). Candidates must successfully complete thirty (30) semester hours (thirty-one 31 in Spanish) of the language beyond WL202, including WL301 and WL302, and three (3) additional advanced-level WL courses including WL304, WL:305 (SC). Please contact an Education Department advisor for details.

WL496 (Foreign Language Teaching Methodology) is required of all students seeking teacher certification in French, German, or Spanish. These courses do not count as semester hours toward the foreign language major, but rather as methodology courses for the Education Department. The Department of World Languages works closely with other departments and programs to obtain dual degrees (Education Department: Bilingual Minor Endorsement; Business Department: International Business Degree; Political Science: International Studies Degree). Please see appropriate department chairpersons for details.

Costs associated with required language proficiency exams will be the responsibility of the student. This applies to the following programs:

- Education - Bilingual Spanish
- Education - French
- Education - German
- Education - Spanish

Certification in Business French Aquinas College is an approved examination center of the Paris Chamber of Commerce. Students may take the Diplôme de français professionnel Affaires B 2 de la Chambre de Commerce et d’Industrie de Paris at Aquinas College. This French diploma, identical to the one taken in France, is highly respected in the United States, Canada, and Europe. Students who succeed in obtaining this certificate have an in-depth knowledge of the French language and can work in any business-related field.

Certification

Required Courses:

- | | | |
|---------|------------|---------|
| — WL201 | — WL301 WI | — WL413 |
| — WL202 | — WL302 | |

Course Grade Requirement - All Language Majors and Minors

The required grade for all courses listed beyond WL201 is a grade of “C” or higher. All subsequent courses must also be completed with a grade of “C” or higher in order to count towards the Major or Minor.

Course Descriptions:

NOTE: WL- World Language; and TI- Translation and Interpretation related courses. For projected language courses and four-year advising plans please consult the Department’s Website: aquinas.edu/languages/degrees

French Course Descriptions:

WL101 First Semester French (4) Introduction to listening, speaking, reading, and writing skills, and the culture of France and Francophone countries. Prerequisite: None.

WL102 Second Semester French (4) Continuation and development of listening, speaking, reading, and writing skills. Further exposure to the culture of the countries. Prerequisite: C- or higher in WL101 or equivalent.

WL201 Third Semester French (4) Expansion of the four language skills and cultural knowledge at an intermediate level. Prerequisite: C or higher in WL102 or equivalent.

WL202 Fourth Semester French (4) Further expansion of the four language skills and cultural knowledge at an intermediate level. Prerequisite: C or higher in WL201 or equivalent.

WL301 Advanced French Composition and Grammar Review (3) WI Strong emphasis on reading, writing, and grammar review. Students approach writing as a process. Different writing genres are explored, including description, narration, exposition, argumentation and literary analysis. Students study and critique model compositions, and practice the composition process in stages. Emphasis on grammar structures and vocabulary enhancement is designed to improve written communication. Multiple drafts and peer editing of compositions are part of the process. Prerequisite: WL202 or equivalent.

WL302 Advanced French Oral Communication (3) Emphasis on speaking and listening comprehension through discussion of current issues. Prerequisite: C or higher in WL202 or equivalent.

WL320 Modern France (3) Survey of French History focusing on the French Revolution, the Bourbon Restoration, the July Monarchy, the Second Republic and the Second Empire, the Third Republic, Occupied France, the Fourth Republic, the Gaullist Revolution, after De Gaulle: Pompidou and Giscard and from “La Grande Alternance” to “Normalisation”. Particular emphasis will be given to the role of political memory, the contribution of women and the impact of colonialism and post- colonialism. Prerequisite: WL301 or equivalent.

WL325 Culture and Civilization of France (3) SC Taught in French, dealing with the history, society, ideas and major works of literature from the Middle Ages through the Fourth Republic. Prerequisite: WL301 or equivalent.

WL327 Contemporary France (3) Taught in French. Study of contemporary institutions, society, politics, and culture. Prerequisite: WL301 or equivalent.

WL398 Advanced Readings in French (Variable) Individually negotiated program of readings on selected topics established by contract between instructor and student. Contracts are filed with the Registrar. Prerequisite: approval of the department chairperson.

WL401 Seminar in French Studies (3) SC Variable topics in French literature and culture, in seminar form for students with advanced skills in French reading and speaking. Credits may be earned under different seminar content. Prerequisites: WL 301 and WL302 or equivalent

WL413 French for Professions (3) This content-based language course, taught in French, introduces economic, business and professional terminology through the study of the following topics: financial institutions (banking, stock market, and insurance); business practices (business letters and resumes); trade and advertising; the internal structure and legal forms of French companies. One of the other goals of this course is to also prepare the students to take one of the exams offered by the Paris Chamber of Commerce and Industry: the Diplôme de Français Professionnel, Affaires, B2 (francais.CCIP.fr).

This exam will be held on campus in December. Offered alternate years. Prerequisites: WL 301 or equivalent. No business background necessary.

WL499 Study Abroad (Variable) Prerequisite: A French major or minor.

German Course Descriptions:

WL101 First Semester German (4) Introduction to listening, speaking, reading, and writing skills, and German culture. Prerequisite: None.

WL102 Second Semester German (4) Continuation of listening, speaking, reading, and writing skills. Further exposure to German culture. Prerequisite: C- or higher in WL101 or equivalent.

WL201 Third Semester German (4) Expansion of the four language skills and cultural knowledge at an intermediate level. Prerequisite: C or higher in WL102 or equivalent.

WL202 Fourth Semester German (4) Further expansion of the four language skills and cultural knowledge at an intermediate level. Prerequisite: C or higher in WL201 or equivalent.

WL301 Advanced German Composition and Grammar Review (4) WI This course places a strong emphasis on reading, writing, and grammar review. Students approach writing as a process. Different writing genres are explored, including description, narration, exposition, argumentation and literary analysis. Students study and critique model compositions, and practice the composition process in stages. Emphasis on grammar structures and vocabulary enhancement is designed to improve written communication. Multiple drafts and peer editing of compositions, including a Final term paper, are part of the process. Prerequisite: C or higher in WL202 or equivalent.

WL302 Advanced German Conversation (3) This course is designed to assure students' language skills at an advanced level, especially in spoken language, through discussion of contemporary social, cultural and political issues in German-speaking countries. Topics include (but are not limited to) language change and tendencies, national and personal identities, diversity issues, foreigners, minorities, the educational system, religion, gender issues, and the role of the European Union. Prerequisite: C or higher WL301 or equivalent.

WL309 Studies in German Culture and Society through Film (3) Intensive study of German culture and society through the viewing and discussion of representative German feature and documentary films from both East- and West Germany, and Post-Wende Cinema. Credits may be earned under different specific titles, based on the focus of the course. Prerequisite: WL301 or equivalent. For students from other disciplines: Instructor approval.

WL325 Seminar in German Literature: 17th and 18th Centuries (3) SC An introduction to major German literary works from the Baroque and Enlightenment to the Classical Period in Germany. Reading, discussion, and analysis of literary works as part of their larger cultural and socio-historical contexts. Exploration of literary movements, genres, themes, and authors. Prerequisite: WL301 or equivalent.

WL326 Seminar in German Literature: 19th and 20th Centuries (3) SC An introduction to major German literary works from the Romantic Period to Post-War German Literature. Reading, discussion, and analysis of literary works as part of their larger cultural and socio-historical contexts. Exploration of literary movements, genres, themes, and authors. Prerequisite: WL301 or equivalent.

WL398 Advanced Readings in German (Variable) Individually negotiated program of readings on selected topics established by contract between instructor and student. Contracts are filed with the Registrar. Prerequisite: approval of the department chairperson.

WL401 Seminar in German Studies (3) SC Designed as a research seminar this course will expose students to major themes in German culture, history, and philosophy. By examining the changing nature of German culture through a variety of texts on a particular theme, students are asked to pose questions that assist them in developing a comprehensive research project related to the subject matter of the course. They will present their project at the end of the course in a public forum. Students will also complete a language-learning portfolio that documents the learners' proficiency in German language and culture as well as their intercultural skills. To achieve these goals, students will work with a wide variety of texts that range from autobiographical and fictional works, to films, film reviews, music, online newspaper articles, government press releases, surveys, statistics, and political cartoons. They will acquire and practice sophisticated vocabulary, grammatical structures, and discourse markers that will allow them to comprehend and discuss these texts. Formats will include in/ formal conversations, prepared debates, group discussions, and written essays. Prerequisites: WL 301 or equivalent

WL413 German for Business and Professions (3) Development of effective communication strategies (advanced language and cultural skills) necessary for functioning in the professional world in German-speaking countries. Introduction to cultural contexts of business and professional practices using specialized vocabulary. Topics include structure and legal form of German businesses, letter & resume writing, comprehension of technical texts, project management in the workplace, and preparation for internships. Prerequisites: WL301 with grade C or better (or equivalent).

WL499 Study Abroad (Variable) Prerequisite: A German major or minor.

Japanese Course Descriptions:

WL101 First Semester Japanese (4) Introduction to listening, speaking, reading, and writing skills, and the culture of Japan. Prerequisite: None.

WL102 Second Semester Japanese (4) Continuation of listening, speaking, reading, and writing skills. Further exposure to the culture of Japan. Prerequisite: C- or higher in WL101 or equivalent.

WL201 Third semester Japanese (4) Expansion of the four language skills and cultural knowledge at an intermediate level. Prerequisite: C or higher in WL102 or equivalent.

WL202 Fourth Semester Japanese (4) Further expansion of the four language skills and cultural knowledge at an intermediate level. Prerequisite: C or higher WL201 or equivalent.

WL301: Fifth Semester Japanese (4) Conversation, advanced grammar, and writing of Kanji. Students read stories in Japanese and write shore letters and compositions. Course currently not offered and replaced by equivalent transfer credits. Prerequisite: C or higher in WL202 or equivalent

WL302: Sixth Semester Japanese (3) Conversation emphasizing “honorific” expressions in business settings and cross-cultural communication. Continued learning of Kanji for reading and writing. Course currently not offered and replaced by equivalent transfer credits. Prerequisite: C or higher in WL301 or equivalent.

WL398 Advanced Readings in Japanese (Variable) Individually negotiated program of readings on selected topics established by contract between instructor and student. Contracts are filed with the Registrar. Prerequisite: approval of the department chairperson.

WL499 Study Abroad (Variable) Prerequisite: A Japanese minor.

Latin Course Descriptions:

WL101 First Semester Latin (4) Introduction to Latin vocabulary, grammar, and syntax with emphasis on the language and culture of the classical period. Prerequisite: none.

WL102 Second Semester Latin (4) Continuation and development of skills acquired in WL101. Prerequisite: C- or higher in WL101 or equivalent.

Spanish Course Descriptions:

WL101 First Semester Spanish (4) Introduction to listening, speaking, reading, and writing skills, and the cultures of Spanish speaking countries. Prerequisite: None.

WL102 Second Semester Spanish (4) Continuation and development of listening, speaking, reading, and writing skills. Further exposure to the cultures of Spanish speaking countries. Prerequisite: C- or higher in WL101 or equivalent.

WL201 Third Semester Spanish (4) Expansion of the four language skills and cultural knowledge at an intermediate level. Prerequisite: C or higher in WL102 or equivalent.

WL202 Fourth Semester Spanish (4) Further expansion of the four language skills and cultural knowledge at an intermediate level. Prerequisite: C or higher in WL201 or equivalent.

WL301 Advanced Spanish Composition (4) WI Strong emphasis on reading, writing, and grammar review. Students approach writing as a process. Different writing genres are explored, including description, narration, exposition, argumentation and literary analysis. Students study and critique model compositions, and practice the composition process in stages. Emphasis on grammar structures and vocabulary enhancement is designed to improve written communication. Multiple drafts and peer editing of compositions are part of the process. Prerequisite: C or higher in WL202 or equivalent.

WL302 Spanish Conversation (On AQ Campus) (3) A course designed to integrate the four basic language skills: speaking, listening, writing and reading. The main focus of this course is based on controlled conversations correlated

with readings, reports, debates, discussions and presentations. Topics include, among others, language, politics, national and personal identities, diversity issues, foreigners, minorities, the educational system, religion, and gender issues. This course may be repeated if taken abroad and on campus. Prerequisite: C or higher in WL202 or equivalent.

WL303 Spanish in the Business World (3) A course designed mainly for International Business majors and other Spanish majors or minors interested in learning about economic issues and culture in a business context in Spain and Latin America. Concentration on various types of texts (e.g. business letters), vocabulary, past/current issues and developments frequently encountered in particular business professions. Prerequisite: WL301 or equivalent.

WL304 Spanish Pronunciation (3) This course provides a comprehensive description of the sound system of Spanish, with attention to the major phonetic characteristics of regional varieties of Spanish both from Spain and Latin America. The main goal of this class is to help students improve their own pronunciation of Spanish through an understanding of how sounds are articulatory produced (phonetics) and organized in the Spanish language (phonology). It will also address common pronunciation problems faced by learners of Spanish. Prerequisite: WL301 or equivalent.

WL305 Spanish-English Linguistics (3) SC This course is an introduction to the study of the different areas of the Spanish language: phonology, morphology and syntax, and its differences from English. Several aspects related to language variation, such as regional dialects, bilingualism and Spanish in the US will be discussed. Prerequisite: WL301. Recommended: WL302.

WL311 Conversation and Composition (In Spain) (3) A course designed to integrate the four basic language skills: speaking, listening, writing and reading. The main focus of this course is based on controlled conversations correlated with readings, reports, debates, discussions and presentations. Topics include, among others, language, politics, national and personal identities, diversity issues, foreigners, minorities, the educational system, religion, and gender issues. This course may be repeated if taken abroad and on campus. Prerequisite: C or higher in WL301 or equivalent.

WL312 Conversation and Composition (In Costa Rica) (3) A course designed to integrate the four basic language skills: speaking, listening, writing and reading. The main focus of this course is based on controlled conversations correlated with readings, reports, debates, discussions and presentations. Topics include, among others, language, politics, national and personal identities, diversity issues, foreigners, minorities, the educational system, religion, and gender issues. This course may be repeated if taken abroad and on campus. Prerequisite: C or higher in WL301 or equivalent.

WL320 Hispanic Film and Literature (3) Study of Spanish feature films from Spain, Latin America, Mexico, and the Caribbean. Includes film viewing, discussion, in-class essays, oral presentations, and thematic compositions based on literature and film with common issues. Organizing themes vary, as does the selection of film to be viewed. Emphasis is on language acquisition, historical and cultural understanding, character and plot analysis, discussion, and self-expression. Prerequisite: WL301 or equivalent.

WL325 Seminar in Spanish Literature: Medieval and Early Modern Spain (3) SC Reading, discussion, and analysis of Peninsular works in prose, poetry, and/ or theater from the 12th century to the 17th century. The course's organizing theme and its selection of genres may vary. Prerequisite: WL301 or equivalent. Recommended: WL302.

WL326 Seminar in Spanish Literature: 18th Century to Present Day Spain (3) SC Reading, discussion, and analysis of Peninsular works in prose, poetry, and/ or theater from the 18th century to the present. The course's organizing theme and its selection of genres may vary. Prerequisite: WL301 or equivalent. Recommended: WL302.

WL327 Survey of Spanish American Literature (3) Reading, discussion, and analysis of the principal literary works and movements of Spanish America, from Pre-Columbian times to the present. Prerequisite: WL301 or equivalent. Recommended WL302.

WL329 Chicano/a and Latino/a Literature (3) In this course we will develop skills in speaking, listening, and writing; the means of which will be acquired through reading Chicano/a or Latino/a literature. Through this study we will gain a perspective on multicultural and multilingual life in the Spanish-speaking diasporas and places of origin. Class lecture, discussions and assignments will be conducted in Spanish. Prerequisite: WL301 or equivalent.

WL363 Latin-American Culture and Civilization (3) Study of political and social institutions, education, art, architecture, literature, and music from pre-Columbian period to present; contemporary problems and everyday life. Prerequisite: WL301 or equivalent.

WL398 Advanced Readings in Spanish (Variable) Individually negotiated program of readings on selected topics established by contract between instructor and student. Contracts are filed with the Registrar. Prerequisite: approval of the department chairperson.

WL472: Engaging Latin@ Grand Rapids (3) This is a capstone and experiential learning course dedicated to understand the effects of immigration on Spanish speaking children in the greater Grand Rapids Area. Class lecture and discussion will be conducted completely in Spanish, as well as the assignments. In addition, Aquinas students will volunteer two (2) hours a week at a Bilingual School such as César E. Chávez Elementary School. Through this study, we will gain a perspective on multicultural and multilingual life in the Spanish-Speaking diaspora of Western Michigan. Prerequisite: WL301.

WL499 Study Abroad (Variable) Prerequisite: A Spanish major or minor.

World Language Course Descriptions:

WL110 Semester in a Foreign Language (4) Introduction to listening, speaking, reading, and writing skills, and the culture of selected countries. Prerequisite: None.

WL120 Second Semester in a Foreign Language (4) Continuation of listening, speaking, reading, and writing skills. Further exposure to the culture of selected countries. Prerequisite: C- or higher in WL110.

WL230 European Cultures and Identities (3) This course examines the notions of Europe and the diverse interactive cultures and identities of the people living in Europe. From a multidisciplinary perspective it offers students the opportunity to improve their knowledge of Europe in light of a broad spectrum of cultures. Specifically, it explores the development and current state-of-affairs of these cultures in France, Germany and Spain as European Union members. This is not a course about the history of the European Union per se; however, selected readings will demonstrate how historical experiences and memories play a vital role in shaping identities and cultures. Students are encouraged to reflect upon the different perspectives and issues arising from this cultural diversity and study European cultures within a wider international and global viewpoint. Note: Strongly recommended for WL majors and minors, this course counts towards degree requirements. Prerequisite: None

WL310 Special Topics (Variable) Variable topics offered on an occasional basis. Prerequisite: Instructor approval.

WL399 Independent Project (Variable) Individually negotiated project of defined nature that is established by contract between instructor and student. Contracts are filed with the Registrar. Prerequisite: approval of the department chairperson.

WL430 Service Learning Abroad (3) This interdisciplinary course prepares students for their experience abroad. The academic preparation helps us understand concepts of service and social justice. We analyze art, socio-political movements, and history regarding the people we will encounter. Students will write their journal entries and essays in the target language. Pre-rec is WL301. This course includes a mandatory two-week travel component and student course fee.

EN/WL496 Foreign Language Teaching Methodology (3) Offered spring semesters. Restricted: Foreign language majors only. Required of all students seeking a Michigan teacher endorsement for teaching a foreign language. This is an education methodology course and does not count toward the foreign language major. Prerequisite: EN201, EN207; and proficiency of sixth semester in the language as determined by the world languages department.

VI

Student Resource Guide

Student Resource Guide

Accessibility Services Office

Location: Wege Student Center, Room 103C

Phone: (616) 632-2177

Email: dsservices@aquinas.edu

Web Addresses: aquinas.edu/accessibility-services

AQ Advantage Center

Location: Mother Victor Flannery Hall

Phone: (616) 632-2126

Web Addresses: aquinas.edu/aq-advantage-center

Bookstore - Aquinas College Bookstore

Location: Lower Level, Wege Student Center

Phone: (616) 632-2962

Email: aquinas@bkstr.com

Web Address: aquinascollegeshop.com

Campus Life

Location: Cook Carriage House

Department phone: (616) 632-2983

Website: aquinas.edu/students

Twitter: [AQCampusLife](#)

Facebook: [Aquinas College Campus Life](#)

Instagram: [Aquinas_Campus_Life](#)

Campus Ministry / Service Learning

Location: Academic Building 309

Phone: (616) 632-2488

Web Addresses: aquinas.edu/campus_ministry/service_learning.html

Campus Safety

Location: West End of Wege Parking Lot

Phone: (616) 632-2462

Email: cso@aquinas.edu

Web Address: aquinas.edu/campus-safety

Emergencies: Any emergencies (fire, medical, criminal) should be reported immediately to Campus Safety by dialing ext. 3333 with any on campus phone or by pick up any emergency phone on campus.

Career Services

Location: Mother Victor Flannery Hall

Phone: (616) 632-2126

Email: careerservices@aquinas.edu

Web Addresses: aquinas.edu/student-resources/career-services

Center for Opportunities, Resources, and Excellence (CORE)

Location: Wege Student Center, Room 103A

Phone: 616-632-2166

Website Address: aquinas.edu/core

Counseling, Health, and Wellness Services.

Location: Donnelly Center, Lower Level

Phone: (616) 632-2905

Email: chws@aquinas.edu

Web Address: aquinas.edu/counseling-health-wellness

Diversity, Inclusion, & Equity - Center for Diversity, Inclusion, & Equity

Location: 2nd Floor, Cook Carriage House

Phone: (616) 632-2455

Email: cdi@aquinas.edu

Web Address: aquinas.edu/center-diversity-inclusion

ESL & Global Student Services

Location: Wege Student Center, Room 107

Phone: 616-632-2169

Website Address: aquinas.edu/esl-and-global-student-services

Email: globalstudentservices@aquinas.edu

Financial Aid

Location: Hruby Hall - HH34

Phone: (616) 632-2893

Email: financialaid@aquinas.edu

Web Address: aquinas.edu/financial-aid

Health Center

Aquinas College partners with Metro Health providing a way to improve the health of Aquinas Communities.

Location: Wege Center, Lower Level

Phone: (616) 632-2969

Information Technology & Services (ITS Help Desk for computer support)

Location: Academic Building - AB350

Phone: (616) 632-2050

Email: techhelp@aquinas.edu

Web Addresses: aquinas.edu/its

Library - Grace Hauenstein Library

Location: JLH

Phone: (616) 632-2137

Email: library@aquinas.edu

Web Address: aquinas.libguides.com/library/home

Peer Tutoring and Study Group Services
Location: Wege Student Center, Lower Level
Phone: (616) 632-2170
Website Address: aquinas.edu/peer-tutoring
Email: straujil@aquinas.edu

Registrar/ Advising Center
Location: Hruby Hall - HH31
Phone: (616) 632-2836
Email: registrar@aquinas.edu
Web Addresses: aquinas.edu/registrar

Residence Life
Location: Regina Hall, Lower Level
Phone: (616) 632-2944
Email: reslife@aquinas.edu
Web Addresses: aquinas.edu/residencelife

Student Accounts
Location: Hruby Hall - Room 131
Phone: (616) 632-2864
Email: studentaccounts@aquinas.edu
Web Address: aquinas.edu/studentaccounts

Sustainability - Center for Sustainability (C4S)
Location: Academic Building - AB253/AB255
Phone: (616) 632-1994
Web Addresses: aquinas.edu/sustainability

Student Support Services
Location: Wege Student Center, Lower Level
Phone: (616) 632-2165
Website Address: aquinas.edu/sss
Email: studentsupportservices@aquinas.edu

Writing Center
Location: Lower Level, Wege Student Center, Room 111 (and satellite locations)
Phone: (616) 632-2168
Website Address: aquinas.edu/writing-center
Email: thewritingcenter@aquinas.edu

Women's Studies Center - Jane Hibbard Idema Women's Studies Center
Location: Academic Building - AB263-AB265
Phone: (616) 632-2979
Email: womenscenter@aquinas.edu
Web Address: aquinas.edu/womenscenter

VII

Student Policies and Regulations

Student Policies and Regulations

Student Conduct. In keeping with the objectives of Aquinas College, students are expected to observe standards of self-discipline in exercising their rights and implementing their responsibilities. Respect for one's own dignity and consideration for the dignity of others are the guidelines.

The Student Conduct Code specifies the minimum level of conduct expected of every student at Aquinas College. The policies and procedures given are those that students, faculty, and administrators at this college have agreed upon to further the educational aims of the College and to assist all students in their educational and personal development. A student voluntarily joining this College community assumes the obligation of knowing and abiding by the standards it has instituted relevant to its mission, goals, processes, and functions. The current code can be found on the Dean of Student's website at aquinas.edu/student-affairs.

Since some students from time to time jeopardize their own welfare and that of the College community, Aquinas College, through the Office of Student Affairs, reserves the right to suspend or expel at any time, for stated cause and following fair procedure, any student whose conduct is not in accordance with the ideals and standards of the College, and whose presence is considered detrimental to the general welfare.

The details of the Student Conduct Code, the College Judicial System, and the guidelines for residence hall life are published in the Student Handbook. All students are responsible for knowing and abiding by the Code and other published policies and regulations.

Student Personal Welfare All Aquinas College students are expected to behave in a manner that protects and preserves their health, safety, property, and/or physical well-being, as well as that of others in the campus community. This expectation includes the responsibility to take appropriate measures, including seeking appropriate assistance, when there is evidence to suggest that they may be unable to adhere to this standard, thus jeopardizing their success and the success of others at the College.

College policy states: A student shall take no action which threatens or endangers their own or another person's safety, health, life, or property, nor shall a student make a verbal or written threat of such actions. This includes, but is not limited to, behaviors such as suicide threats or attempts; verbal or written threats to other persons of their property; and/or refusing treatment for life-threatening illness or conditions (e.g. eating disorders, diabetes) that may impact the educational process. A student shall not engage in any harmful act to another or an act of self-injury whether the intent is Para suicidal or suicidal, if that act is disruptive to others on campus (this includes cutting and other types of self-mutilation). Any report of a violation of this standard requires the completion of an incident report and following of one of the procedures below.

Follow-up procedures where the student conduct may be a danger to self or others. The Dean of Students, or designee, in consultation with the Student in Crisis Assessment Team (SCAT) and additional College wellness professionals, as appropriate, shall review the situation and take the following measures, as necessary:

1. The student may be required, at the discretion of the Dean of Students, or designee, to have a professional assessment by qualified medical doctor or psychiatrist, to determine suitability to participate in the educational opportunities offered by the College and to live on campus.
2. The student may be required to abide by the requirements set by the Dean of Students, or designee, and other key College personnel related to appropriate personal conduct on campus.
3. The student may be required to have a professional treatment session with the licensed mental health professional after the incident or release from a medical facility or a behavioral/mental health center, depending on the circumstances and the information received from the treating medical personnel, to assure that it is safe to return the student to their campus residence and educational program.
4. A "Release of Information" form may be required from the student under appropriate circumstances allowing the Office of Student Affairs and/or SCAT to be informed of the assessment and any "after-care"

plan of the licensed mental health professional. All such information obtained will be treated as confidential medical information, released only on a need to know basis. The student MUST follow this plan. Failure to adhere to the requirements set by the mental health professional may result in corrective action which may include removal from residence, classes, school and/or campus.

5. In the event of a serious situation, the Dean of Students, or designee, may take other steps, including contacting the student's parents, guardians, and/or significant others, or requiring additional mental health sessions.
6. A student may appeal the actions of the Dean of Students to the Associate Vice President of Student Affairs. However, the student must comply with any requirements implemented for perceived safety concerns pending a final decision by the Associate Vice President of Student Affairs.

Emergency Situations. In emergencies where the Office of Student Affairs judges there to be imminent danger or serious harm to persons or to property, or serious violation of city, state, or federal laws, the Office of Student Affairs may summarily suspend students, pending review through the appeal process below.

The student shall have the right to appeal the action of the Office of Student Affairs to the President. An appeal in these situations must be delivered electronically or in writing to the President's office within seven (7) days of the Dean of Student's Office decision. If the appeal is not made within the allotted seven (7) days, the right of appeal is no longer available, unless the student is physically or mentally unable to submit the appeal. In that case, the seven (7) day period begins as soon as the student is physically able and/or mentally competent to file an appeal. The decision of the President is final.

Disability Accommodations. The policy and these guidelines will be implemented with due regard for any rights the student may have under Section 504 of the Rehabilitation Act and/or the Americans with Disabilities Act. Accommodations will be available upon request under appropriate circumstances.

Tobacco Use. Effective August 1, 2015 Aquinas College will be a smoke free campus.

VIII

Directories

Board of Trustees
Administration
Faculty
Emeriti Faculty

Board of Trustees

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Grand Rapids, Michigan

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Grand Rapids Dominicans
Grand Rapids, Michigan

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FBM/Home Acres Building Supply
Grand Rapids, MI

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CFO Gordon Food Service
Grand Rapids, Michigan

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Mercy Health Saint Mary's
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Great Lakes Corporate Resources Ltd.
Grand Rapids, Michigan

John Canepa
Consulting Principal
Crowe Chizek
Grand Rapids, Michigan

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Center for Career and Professional Development
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Grand Rapids, Michigan

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Vicar General
Diocese of Grand Rapids
Grand Rapids, Michigan

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Grand Rapids, Michigan

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President, Hispanic Association of Colleges and
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Frey Foundation
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Grand Rapids Dominicans
Grand Rapids, Michigan

Sr. Margaret A. Hillary, O.P.
Grand Rapids Dominicans
Grand Rapids, Michigan

Carol Duba Holm
Community Leader
Okemos, Michigan

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Retired CEO/Chairman
Knape & Vogt Manufacturing
Grand Rapids, Michigan

John Jackoboice
Fourth & Fifth Capital Ventures
Grand Rapids, Michigan

Donald LeClair
Retired President
Laser Alignment Co.
Grand Rapids, Michigan

Michael A. Lown
CFO
Catholic Diocese of Grand Rapids
Grand Rapids, Michigan

George McAleenan
Retired Partner
Peninsular Oil and Gas Company
Ada, Michigan

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Grand Rapids Dominicans
Grand Rapids, Michigan

Patrick Miles, Jr.
U.S. Attorney
Western District of Michigan
Grand Rapids, Michigan

H. Richard Morgenstern
Retired
Muskegon, Michigan

Sr. Carmelita Murphy, O.P.
President
Lead, Inc.
Grand Rapids, Michigan

Rosemary Denmark Murphy
Community Leader
Grand Rapids, Michigan

Hon. William B. Murphy
Judge
Michigan Court of Appeals
Grand Rapids, Michigan

Kenneth Neyer
Kenneth Neyer Oil and
Real Estate Investments
Traverse City, Michigan

LGEN (Ret.) John Nowak
United States Air Force, Retired
Spring Lake, Michigan

Sr. Mary Kay Oosdyke, O.P.
Adjunct Professor of Theology Aquinas College
Grand Rapids, Michigan

Joseph Parini
President
Applied Analytics
Grand Rapids, Michigan

Karen Palmore
Vice President
Palmore Institutional Consulting
UBS Financial Services
Grand Rapids, Michigan

Rev. Mark Przybysz
Pastor
St. Anthony of Padua Parish Grand Rapids,
Michigan

Patrick M. Quinn
Retired
Bonita Springs, Florida

Jacob Robinson
Director Compensatory Education
Grand Rapids, Michigan

Ellen Satterlee
Community Leader
Grand Rapids, Michigan

Roger Schiefler
Sales & Management Professional
Grand Rapids, MI

Yvonne Sims
Community Leader
Grand Rapids, Michigan

Edward M. Smith
Partner
Pinsky, Smith, Fayette & Kennedy LLP
Grand Rapids, Michigan

I. John Snider II
Retired
Muskegon, Michigan

Lanny Thodey
Executive Vice President
The Hy and Greta Berkowitz
Foundation
Grand Rapids, Michigan

Sr. Margaret Thomas, O.P.
Director of Children's Ministries
Ave Maria Catholic Church
Parker, Colorado

Dr. Luis Tomatis
Director of Medical Affairs
RDV Corporation
Grand Rapids, Michigan

Robert Vander Weide
Grand Rapids, Michigan

Sr. M. Aquinas Weber, O.P.
Chancellor Emerita
Aquinas College
Grand Rapids, Michigan

John Wheeler
Director of Business Development Orion
Construction
Ada, Michigan

Dcn. Dennis M. Williams
Community Leader
Grand Rapids, Michigan

Kate Wolters
Kate and Richard Wolters Foundation
Grand Rapids, Michigan

Lisa Wurst
Client Advisor
Private Client Services JPMorgan
Grand Rapids, Michigan

Administration

Date in parentheses indicates year of first appointment at Aquinas College.

Executive Officers

President of the College

Kevin G. Quinn, B.S., M.B.A., Ph.D. (2017)

Executive Vice President, Provost and Dean of Faculty

Stephen P. Barrows, B.S., M.A., Ph.D. (2013)

Interim Vice President and Executive Director of the Aquinas College Foundation

Frank Doria, M.B.A. (2018)

Interim Vice President for Enrollment and Strategic Planning

Thomas C. Mikowski, B.S. (1989)

Vice President for Finance - CFO

Lisa VanDeWeert, C.P.A. (2018)

Administrative Officers

Associate Vice President of Marketing and Communication

TBD

Associate Vice President of Student Affairs

Brian Matzke, B.S.B.A., M.M. (1997)

Associate Vice President of Admissions

TBD

Associate Vice President of Advancement Operations

Ric Underhile, B.S., M.A., Ph.D. (2018)

Associate Dean Mission, Ministry and Service Learning Special Advisor to the President

Robert J. Gilmore M.A., MDiv (2017)

Associate Provost

Heather Kesselring-Quakenbush, B.S., M.A., Ph.D. (2008)

Co-Directors of the Grace Hauenstein Library

Shellie Jeffries, B.G.S., M.L. (2000)

Francine Paolini, B.A., M.S.L. (1991)

Director of the Center for Diversity, Inclusion and Equity and Special Advisor to the President

Alicia Lloyd, M.Ed.

Registrar and Director of Academic Advising

Cecelia E. Mesler, B.S. (1976)

Deans and Academic Officers

Dean of Science & Sustainability

Sister Damien Marie Savino, M.A., Ph.D. (2016)

Dean of the School of Education

Susan English, B.A., M.A.T., Ph.D. (1994)

Dean of Student Development

Lisa C. Hetzel, B.A., M.A., Ph.D. (2018)

Full Time Faculty

Duane Ambrose, Assistant Professor of Kinesiology (1999) B.S. University of Wisconsin-Superior; M.A. Western Michigan University; Ed.D. United States Sports Academy

Briana Asmus, Assistant Professor of Education. B.A. Aquinas College; M.A. Western Michigan University; Ph.D., Western Michigan University

Penny Avery, Associate Professor of Communication (1994) B.S., M.A, Central Michigan University; Ph.D., Michigan State University

Mark A. Babin, Assistant Professor of Finance and Business Strategy, M.B.A Western Michigan University (1992), B.S.B.A Aquinas College (1977)

Thomas Bahl, Associate Professor of Biology (2002) B.S., Pennsylvania State University; M.S., University of Georgia; Ph.D., Emory University

Robb Bajema, Associate Professor of Biology (1998) B.S., Calvin College; Ph.D., Indiana State University

Stephen Barrows, Associate Professor of Economics (2013) B.S., United States Air Force Academy; M.A., Pennsylvania State University; Ph.D., Auburn University

Joseph Becherer, Lena Meijer Professor in the History of Art (1999) B.F.A., M.F.A., Ohio University; Ph.D., Indiana University

Stéphane Bédère, Assistant Professor of French and Spanish (2011) B.A., M.A., D.E.A., University of Paris

Ian Borton, Associate Professor of Communication (2008) B.A., Heidelberg College; M.A., Northern Illinois University; Ph.D., Bowling Green State University

Paul Brewer, Associate Professor of Music (1999) B.A., M.M., Central State University, Oklahoma; D.A., University of Northern Colorado

Daniel Brooks, Professor of English (1989) B.A., St. Francis College; M.A., Ph.D., State University of New York at Binghamton

Anthony Burdick, Assistant Professor of Accounting (2009) B.A., University of Michigan; C.P.A., M.S., Walsh College

Kevin Cantley, Assistant Professor of Accounting (2012) B.B.A. Eastern Michigan University; M.B.A., Cleary University; C.P.A.; C.G.M.A.

Li-Heng Chen, Professor of Chemistry (1983) B.S., National Taiwan University; M.S., State University of New York at Stony Brook; Ph.D., Texas A & M University.

Rebecca Coogan, Associate Professor of English (1991) B.A., Colgate University; M.A., Ph.D., State University of New York at Binghamton

Mary Clinthorne, Associate Professor of Geography (2009) B.A. Western Michigan University; M.A. Western Michigan University; Ph.D. University of Kansas.

Daniel Cruikshanks, Professor of Psychology (2013) B.A., California State University, Sacramento; M.Ed., University of Missouri, St. Louis; Ph.D., Saint Louis University

Michael Curry, Assistant Professor of Economics (2017) B.A., Grand Valley State University, M.A., Walsh College.

Stephan Davis, Associate Professor of Theology (2004) B.A., Concordia University (Christ College); M.A., Fuller Theological Seminary; Ph.D., Marquette University

Jennifer Dawson, Associate Professor of English (2002) B.A., University of Michigan; M.A., Ph.D., Michigan State University

Michelle De Rose, Professor of English (1999) B.A., Calvin College; Ph.D., University of Iowa

Brian DiVita, Associate Professor of Business Administration and Management (2010) B.S.B.A., Aquinas College; M.M., Aquinas College; M.S., Grand Valley State University

Xin Du, Assistant Professor of Physics (2016) B.S., Nanjing University; Ph.D., Emory University

Jason Duncan, Professor of History (2002) B.A., St. Lawrence University; M.A., Georgetown University; M.A., Ph.D., University of Iowa

Amy Dunham Strand, Assistant Professor of Women's Studies (2006) B.A., Wittenberg University; M.A., Ph.D., University of Washington

Roger Durham, Palmatier Endowed Professor of Political Science (1996) B.S., Southern Oregon State College; M.A., Ph.D., University of Oregon

Susan English, Dean of the School of Education, Associate Professor of Education (1994) B.A., Calvin College; M.A.T., Aquinas College; Ph.D., Capella University

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