



2012-2014
UNDERGRADUATE
and
GRADUATE
CATALOG

717 Frederica Street
Owensboro, Kentucky 42301-3023
Telephone: (270) 685-3131 or 1-877-BRESCIA
www.brescia.edu

08/2012

ACADEMIC CALENDAR

2012-2014

Fall 2012

August 15-16
 August 18
 August 20
 August 18-21
 August 22-28
 August 22
 September 3
 October 18-22
 October 17-23
 November 21-23
 December 10-13

Fall Institute
 Opening Academic Convocation
 Registration
 Student Orientation
 BUonline Mod #1 Begins
 On-Campus Classes Begin
 Labor Day Holiday
 Fall Break (no classes on campus)
 Mod #2 Begins
 Thanksgiving Break (closed)
 Final Exams

Fall 2013

August 14-15
 August 17
 August 19
 August 17-20
 August 21-27
 August 21
 September 2
 October 17-21
 October 16-22
 November 27-29
 December 9-12

Spring 2013

January 11
 Jan. 14-18
 January 14
 January 21
 January 29
 March 11-15
 March 18-22
 March 28-April 1
 April 28
 May 6-9
 May 11

Registration (new students)
 BUonline Mod #3 Begins
 Classes Begin
 MLK, Jr. Day (no classes on campus)
 Founder's Day/Winter Convocation
 Spring Break (no classes)
 BUonline Mod #4 Begins
 Easter Break (no classes on campus)
 Honors Convocation
 Final Exams
 Commencement

Spring 2014

January 10
 January 13-17
 January 13
 January 20
 January 28
 March 10-14
 March 17-21
 April 17-21
 April 27
 May 5-8
 May 10

Summer 2013

Summer Sessions will vary; consult www.brescia.edu

Summer 2014**BUonline Classes*****2012-2013**

August 22-28
 October 17-23
 January 14-18
 March 18-22

Module 1 Begins
 Module 2 Begins
 Module 3 Begins
 Module 4 Begins

2013-2014

August 21-27
 October 16-22
 January 13-17
 March 17-21

*Except during Spring Break, once online classes begin, they run through the 8-week module without a break, regardless of the University Calendar. Chat sessions may or may not be held on holidays (consult Instructor), but class assignments are ongoing.

Summer sessions, executive formats, online modules, and graduate program dates
 will vary slightly.

Changes will be posted to www.brescia.edu.

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THE UNIVERSITY

HISTORY

Brescia University originated in 1925 with the Mount Saint Joseph Junior College for Women in Maple Mount, Kentucky. Between 1925 and 1950 coeducational extension courses offered in Owensboro by the Ursuline Sisters of Mount Saint Joseph led to the creation of a second campus. After 1949 the two campuses were consolidated at the present site of Brescia University. In 1950 the newly founded Brescia College began operating as a four-year coeducational college and, in 1998, became Brescia University, an independently supported Catholic coeducational institution offering both undergraduate and graduate coursework.

THE BRESCIA DIFFERENCE

- **Respect for the Sacred**
- **Devotion to Learning**
- **Commitment to Growth in Virtue**
- **Promotion of Servant Leadership**

VISION

Brescia University will be a moral and intellectual powerhouse, adapting to the needs of the 21st century and beyond.

MISSION

Brescia University is a **Catholic, liberal arts** institution founded in the Ursuline tradition* of personal and social transformation through education.

Directed to academic and moral excellence in a student-centered environment, Brescia offers undergraduate and graduate programs that serve students who seek success through rewarding **careers** and **service** to others.

PHILOSOPHY

Faithful first to the needs of our students, and in affirmation of the principle of academic freedom and with respect for individual conscience and religious liberty, we welcome students, faculty, and staff of all faiths to share in the Brescia Difference in the pursuit of the vision and mission of our University. With firm conviction in the power of education to shape lives and communities, we identify the key concepts of Brescia University's educational philosophy in the following manner.

1) **Catholic.** As a Catholic institution, Brescia University shares the contemporary church mission to proclaim the gospel, uphold human dignity, participate in God's ongoing creation, and serve others. In fulfilling this ecclesial mission, the University seeks to preserve and enrich the Catholic tradition of dialogue between faith and reason in the pursuit of truth in a manner that is open to and respectful of all faith traditions; to promote **Respect for the Sacred**, especially in human beings; and to promote **Growth in Moral Virtue**. As an Ursuline institution, Brescia University embodies the Ursuline core values of community, leadership, justice, and service and seeks to instill these values in its students. Brescia University provides its students with

- a faith community on campus, including Ursuline Sisters, which serves as a basis for pastoral care;
- courses in theology, philosophy, and ministry;
- opportunities to participate in the sacramental life of the Catholic Church on campus;
- opportunities for ecumenical religious expression and growth in personal faith, regardless of denomination; and
- opportunities to prepare for ministerial service within the Catholic Church.

2) **Liberal Arts.** Faithful to the Ursuline academic tradition* that promotes **Devotion to Learning**, Brescia University provides a quality liberal arts education that shapes the whole person and is characterized by the search for truth and beauty. Those educated in the Catholic intellectual tradition practiced by the followers of Saint Angela Merici* aspire to an independence of spirit, a creative adaptability to change, and an openness to lifelong learning. Thus, Brescia University seeks a partnership of all its members to impart to its students the knowledge, skills, and values befitting a free, educated person. As articulated in its educational outcomes, Brescia University provides its students with

- General Education Requirements that establish a strong foundation for achieving its educational outcomes;
- components in all majors that deepen and refine the achievement of these outcomes; and
- a co-curriculum that complements these liberal arts goals of the General Education Requirements and the majors.

3) **Career Preparation.** Career development at Brescia University occurs within academic programs that are in tune with the job market. In addition, academic advisors advise their majors about career opportunities in their field and help prepare them for entry into those careers. Brescia also provides its students with

- opportunities for practica and internships;
- preparation and opportunities for graduate school;
- the Career Development Office, which assists students seeking employment or admission to graduate school; and
- ongoing development and evaluation of academic programs to correspond with employment trends.

Finally, Brescia University enhances the career preparation of its students not only by providing them with a quality liberal arts education, but also by guiding its students in ethical decision-making as expressed in the University's **Commitment to Growth in Virtue**. As a result of a Brescia education, graduates will use values-driven critical thinking and creative problem-solving skills in their chosen careers.

4) **Service to Others.** Recognizing that education must include the development of character, Brescia University actively engages in the **Promotion of Servant Leadership**, encouraging students, staff, and faculty to serve, in imitation of Christ, within their professional, personal, and social lives. Since moving to Owensboro in the 1940s, when the Ursuline Sisters began offering coeducational classes at the request of the local community, Brescia University has established a history of serving Owensboro and the surrounding region. In keeping with the Ursuline tradition of service* and with the gospel call to a life of witness and service, Brescia University provides

- clubs, class activities, and majors directed to community service;

- support for student, faculty, and staff participation in community and professional organizations;
- campus resources, including personnel and facilities, to serve the community; and
- workshops, speakers, and institutes designed to meet community needs.

***THE URSULINE EDUCATIONAL TRADITION**

Founded in Italy in 1535 by Saint Angela Merici as a community of women devoted to loving God and doing good works, the Ursuline Sisters soon devoted themselves almost exclusively to education, especially of girls and young women. Across Europe and the United States (and eventually all over the world), “Ursuline” became synonymous with the highest quality of education. Across the centuries, the Ursuline Legacy of Teaching and Learning has continued to be permeated by these values:

- *The focus on the individual*, recognizing that each person is unique and has her/his own gifts and needs.
- *The power of education to transform each person and thus society*, leading to an emphasis on academic excellence as the instrument of that transformation.
- *The commitment to the whole person in need of formative education*, causing Ursuline schools to be centers of learning for all branches of knowledge; ecumenical centers where spiritual faith and moral development are nurtured; and human communities where individual psychological, emotional, and social needs can be nourished. In college and university settings, this attention to the whole person keeps Ursuline higher education committed to the liberal arts.
- *The ability of the creative arts to humanize life*, leading Ursuline schools to balance time devoted to art, music, literature, and other forms of creativity with time spent on practical or professional learning.
- *The importance of service*, causing Ursulines to invite students into active cooperation with their good works among others in need so that students develop attitudes of servant leadership.
- *The concern for the marginalized*, inspiring Ursulines to attend to those excluded by the cultural morés of the time, whether they be the girls of 16th-century Europe; the Native Americans of 17th-century Canada; the African Americans of 18th-century New Orleans; the 19th- and 20th-century rural poor throughout the United States; the “underachievers” upon whom education was thought to be wasted, and the physically or mentally disabled across all centuries; or the working adults today unable to access traditional higher education.
- *The philosophy that leadership governs through invitation and persuasion, rather than force*, recognizing that God gives free will to every person and that force, while sometimes necessary, should always be the last resort.
- *The centrality of community*, leading to promotion of the common good and training in mutual respect, collaboration, and interpersonal relationships.
- *The gospel imperative to work for justice*, accepting individual and communal responsibility to help build the reign of God on earth, to empower the marginalized, and to use one’s God-given gifts to make the world better for one’s presence in it.
- *The freedom — indeed the CALL — to adapt and change*, reading the signs of the times as a way to avoid fossilizing the past and to remain open to an as-yet-undreamed-of future.
- *The primacy of Hope*, inviting all those involved in the Ursuline ministries of teaching and learning to trust in the Providence of God and the promise of a better tomorrow.

ACCREDITATION AND AUTHORIZATION

Brescia University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; phone: 404-679-4501) to award Associate and Baccalaureate degrees, the Master of Business Administration, the Master of Science in Management, and the Master of Science in Teacher Leadership. Brescia University's Bachelor in Social Work Program is accredited by the Council on Social Work Education. This enables Brescia social work majors to attend graduate school in social work at advanced standing, to receive liability insurance through the National Association of Social Workers, and to be eligible to take the state social work licensure exam.

All of Brescia University's Teacher Education programs are accredited by Kentucky's Education Professional Standards Board.

CAMPUS

Brescia University is situated on nine acres in the heart of downtown Owensboro, Kentucky. Among the facilities on campus can be found a well-equipped science building with newly renovated labs; a campus center that houses dining, study, and recreational facilities; a chapel; an administration building that houses offices and classrooms; a welcoming library ideal for group or independent study and research; and apartment-style residential housing accommodations. The Lechner Graduate Center houses offices, classrooms, and meeting rooms. The campus arts facilities include the 57-seat Little Theatre, the Anna Eaton Stout Gallery, a ceramics lab, art studios, and music rooms.

Recreational facilities include a gymnasium, racquetball court, weight room, aerobics room, walking track, and tennis courts. Student gathering areas abound on campus and all University buildings are accessible to persons with disabilities. Kamuf Park, a newly developed sports complex, is located approximately five miles from Brescia's campus and serves as a home field for the baseball, softball, and soccer teams.

The computer network links all office and classroom buildings, the library, Merici and Saffer Halls, and the new student apartment complexes; wireless access is campus-wide. Multimedia classrooms throughout the campus provide internet access and PowerPoint presentation facilities to large and small groups.

Online courses in general education, online majors and degree-completion programs, and the Master of Science in Teacher Leadership are available year-round.

THE COMMUNITY

Brescia University is located in Owensboro, Kentucky, on the Ohio River. With a metropolitan population of 56,000, Owensboro is easily accessible from any direction and is served by a local airport. The University campus is within walking distance of the revitalized downtown area, the performing arts center, the public library, the natural science and history museum, and the art museum, as well as numerous restaurants, churches, and parks.

Many Owensboro industries and professional organizations cooperate with Brescia in providing enriching off-campus learning opportunities for students, particularly in the areas of business, education, psychology, social work, speech and hearing, and special education.

ADMISSIONS AND FINANCE

FOR UNDERGRADUATE PROGRAMS

ADMISSION REQUIREMENTS AND PROCEDURES

Brescia University welcomes all applicants who show promise of academic success. The successful Brescia applicant typically possesses the ability and desire to learn and grow in knowledge. Applicants to Brescia University must be high school graduates or holders of GED certificates.

DEFINITIONS

First Time Undergraduate Student – An undergraduate student who has not previously attended any college or university or who attended college level courses as a high school student and is currently enrolled for the first time since high school graduation.

First Time Transfer Student – A degree-seeking student entering the reported institution for the first time but known to have previously attended a post-secondary institution at the same level.

International Student – Any applicant to whom Brescia University issues a certificate of Eligibility for Nonimmigrant student status under the federal law ACT 101 (a) (15) (F); 8 CFR 214.3 or whose secondary education or post-secondary education language, and/or native language is not English.

Non-Degree Student – Any student who is not pursuing a degree. Non-degree students are allowed to acquire a maximum of twenty-four hours of college credit.

Veterans – Individuals of military service regardless of past academic performance.

FIRST TIME UNDERGRADUATE STUDENTS

Each applicant must submit:

1. *An application for admission and a non-refundable \$25 application fee;*
2. *An official high school transcript with cumulative grade point average (CGPA) and date of graduation, or official report of GED scores; and*
3. *ACT or SAT scores (exempt if first enrollment at Brescia is more than three years after the graduation date of the applicant's high school class).*

Each high school transcript will be evaluated on the basis of a college preparatory curriculum of four (4) units of English, three (3) of mathematics, two (2) of science, and two (2) of social studies. Other subjects strongly recommended include:

1. *Foreign language;*
2. *Fine arts; and*
3. *Computer science.*

First Enrollment Less Than Three Years Out of High School

The Vice President for Enrollment Management may admit an applicant to freshman status who submits an official high school transcript and ACT or SAT scores who successfully meets the following criteria (students exempt from submitting an ACT or SAT scores and/or submits a GED score, see below for admissions standard):

1. *Score a minimum of 55.0 points using the following formula: High School Grade Point Average (4.0 scale) multiplied by ten plus ACT Composite Score (SAT Total score computed to composite ACT) multiplied by 1.667; and*
2. *Completion of a college preparatory curriculum (See above).*

Applicants scoring between a 47.0 and a 54.9, or below the minimum standard for students exempt from standardized testing, are individually considered by the Admissions Committee, which may request additional information from the applicant and/or review additional information submitted by the applicant. An applicant who scores a 46.9 or below will automatically be denied acceptance until such time as either their grade point average or standardized test score improves.

For applicants scoring between 47.0 and 54.9, the Admissions Committee may:

1. *Grant admission as a regular student; or*
2. *Grant admission on a conditional basis, limiting the student to 13 hours; or*
3. *Deny admission.*

First Enrollment More Than Three Years After Graduation Date of High School Class

For an applicant whose first enrollment is more than three years after the graduation date of the applicant's high school class, the Vice President for Enrollment Management may admit her/him to freshman status if the applicant successfully meets the following criteria:

1. *Submission of an official high school transcript or GED;*
2. *Grade point average of 2.5 (or above) overall on a 4.0 scale or a GED composite of 45 (or above); and*
3. *Completion of a college preparatory curriculum (See above).*

For applicants whose grade point average is below a 2.5, or whose GED composite is below a 45, the Admissions Committee may:

1. *Grant admission as a regular student; or*
2. *Grant admission on a conditional basis, limiting the student to 13 hours; or*
3. *Deny admission.*

The Vice President for Enrollment Management (VPEM) will notify the applicant in writing of her/his admission status. If the applicant is denied admission, this letter will provide the applicant with the reasons for denial and steps to be followed if s/he wishes to re-apply to the University. An applicant who has been denied admission may appeal the decision in writing to the VPEM, who will forward the appeal to the Admissions Committee at the next scheduled meeting.

FIRST TIME TRANSFER STUDENTS

Each applicant must submit:

1. *An application for admission and a non-refundable \$25 application fee; and*
2. *An official final transcript from each college where course work was attempted.*

Students are required to indicate the date of their graduation from high school, or the date of completion of the GED exam, on their admission application.

The Vice President for Enrollment Management may admit an applicant who meets the following criterion:

Has a college cumulative grade point average of 2.0 and above on a 4.0 scale.

An applicant who does not meet the minimum requirements is individually considered by the Admissions Committee, which may request information from the applicant and/or review additional information submitted by the applicant.

The Admissions Committee may then:

1. *Grant admission as a regular student; or*
2. *Grant admission on a conditional basis, limiting the student to 13 hours; or*
3. *Deny admission.*

The Vice President for Enrollment Management (VPEM) will notify the applicant in writing of her/his admission status. If the applicant is denied admission, this letter will provide the applicant with the reasons for denial and steps to be followed if s/he wishes to re-apply to the University. An applicant who has been denied admission may appeal the decision in writing to the VPEM, who will forward the appeal to the Admissions Committee at the next scheduled meeting.

ARTICULATION AGREEMENTS: Brescia University has articulation agreements with St. Catharine College, Highland Community College, Ivy Tech State College, the Kentucky Community and Technical College System (KCTCS), and Owensboro Community and Technical College. These agreements facilitate the transfer of credit between institutions. Contact the Registrar for articulation information.

BLOCK TRANSFER: Transferring to Brescia University from one of Kentucky's community and technical colleges (KCTCS) is simple, using the block transfer agreement. Brescia University's Block Transfer Agreement awards any graduate from a KCTCS institution with an Associate of Arts or an Associate of Science degree a minimum of sixty (60) transfer credits (but no more than 67), and junior class standing.

An Associate of Arts or an Associate of Science degree will also satisfy forty-eight (48) hours of Brescia University's General Education Requirements (GERs), provided the student completes at least one class in world history, foreign language, literature, fine arts, philosophy, and religion. Any of these courses not completed at a KCTCS institution must be completed at Brescia University. In addition, at least six (6) upper division credit hours (300- or 400-level) of Brescia's General Education courses must be completed as part of the student's free electives.

Certain majors may require specific courses within the GER; such requirements will take precedence over the Block Transfer. Students should consult the major requirements described in the Academic Programs section of the *Brescia University Catalog* (<http://www.brescia.edu/university-catalog>).

TRANSFER CREDITS: Courses with a grade below a "C" are not accepted as transfer credit courses. A transfer student who has a "D" in the first course of a required two course sequence and a "C" or higher in the second course must retake the first course unless s/he is able to demonstrate competency, in which case the requirement will be waived.

Only 67 credit hours from a community college may be applied to the baccalaureate degree.

INTERNATIONAL STUDENTS

Brescia University is authorized under federal law to enroll non-immigrant alien students, under ACT 101 (a) (15) (F); 8 CFR 214.3. International applicants should apply for admission well in advance of the semester in which they wish to enroll. In general, applicants will be admitted only after they have documented that they have acceptable academic credentials, are competent in English, and can verify that they have access to funds sufficient to meet the costs of completing their studies.

To be considered for admission, the international student must submit:

1. *An application for admission, and a non-refundable \$75 (USD) application fee;*
2. *Official transcripts evaluated by the World Educational Services or AACRAO International Education Services from high school and college (if applicable); and*
3. *An official score from the Test of English as a Foreign Language (TOEFL). If the student's native language is English, the student should contact the Office of Admissions for the appropriate examination to be completed (ACT or SAT).*

The Vice President for Enrollment Management may admit to the degree program an international student who meets the following criteria:

1. *An equivalent cumulative GPA of 2.5 on a 4.0 scale on the high school level or 2.0 on a 4.0 scale for the college level (if applicable); and*
2. *A TOEFL score of 550 or above on the written test or 213 or above on the computer-generated test, or 79 or above on the internet-based exam; or an IELTS score of 6.5 or above; or ACT composite of 18 (or above); or SAT composite score of 860 (or above).*

An applicant failing to meet the minimum admission requirements is individually considered by the Admissions Committee, which may request information from the applicant and/or review additional information submitted by the applicant.

The Admissions Committee may then:

1. *Grant admission as a regular student; or*
2. *Grant admission on a conditional basis, limiting the student to 13 hours; or*
3. *Deny admission.*

The Vice President for Enrollment Management (VPEM) will notify the applicant in writing of her/his admission status. If the applicant is denied admission, this letter will provide the applicant with the reasons for denial and steps to be followed if she/he wishes to re-apply to the University. An applicant who has been denied admission may appeal the decision in writing to the VPEM, who will forward the appeal to the Admissions Committee at the next scheduled meeting.

I-20, Transcript Evaluation, and Enrollment for International Students: To receive an I-20 form, a Federal form that allows the applicant to apply for a student visa, to have the Registrar evaluate any transfer credit, and to enroll in classes, the international applicant must submit the following to the Vice President for Enrollment Management:

1. *Official Statement of Financial Ability and/or a bank authorization certifying sufficient funds to meet study costs for an academic year; and*
2. *A non-refundable tuition deposit of \$100 (U.S. dollars).*

NON-DEGREE STUDENTS

Individuals who wish to study at Brescia but not follow a degree program may enroll for courses without following standard application procedures. No transcript is needed. They need only complete an application for admission and pay a one-time fee of \$25. If the individual later decides to pursue a degree, s/he must follow the procedures outlined for regular admission. Non-Degree students are limited to a maximum of twenty-four (24) credit hours of enrollment. Permission to extend this limitation may be obtained in writing from the Vice President of Academic Affairs.

There are seven general categories of non-degree students:

1. **Transients** – Students in good standing at another college taking one or more course(s) to transfer to the home institution. A *Transient/Visiting Student Form* from the home institution should be submitted to the Registrar.
2. **Post-Graduate** – Students taking undergraduate work after graduation.
3. **General Non-Degree** – Students taking courses for credit but not subject to standard admissions requirements because they are not pursuing a degree/certification.
4. **Auditors** – Students enrolled on a non-credit basis but paying half tuition.
5. **Senior Citizens** – Persons age 65 or older who may study in the traditional on-campus programs either as matriculating or non-matriculating students with tuition remission.
6. **Certificate** – Students enrolled in courses that award a certificate upon completion.

BUONLINE STUDENTS

Students beginning their studies through BUonline in either the online majors or degree-completion program must meet the criteria listed for their respective status (e.g., first time transfer, non-degree), *plus* the criteria related to their relevant degree or degree-completion program. These criteria are outlined in the appropriate Academic Programs and Course Description sections of this *Catalog*.

VETERANS

Brescia University will offer admission to individuals of military service regardless of past academic performance if they

1. *Were honorably discharged; and*
2. *Have a high school diploma or GED.*

STUDENTS ON LEAVE OF ABSENCE

If a Brescia student finds it necessary to interrupt her/his studies for a short time, a Leave of Absence may be granted that allows the student to remain connected to Brescia University and keep an active Brescia email account. The Leave may be granted for up to two semesters; extension beyond that time for appropriate reasons must be approved by the Vice President for Academic Affairs. Students wishing to be granted a Leave should obtain the form from their academic advisors. There is no charge to be registered for a Leave of Absence.

In the event of any conflict between written policies of Brescia University set out in this *Catalog* and any oral statements made by any agent or employee of Brescia University, the written policy shall control.

EXPENSES

In calculating the expense of attending Brescia University, the student should consider the great variety and large amounts of available financial aid that bring a private university education within the reach of most students.

BASIC EXPENSES PER SEMESTER

(Effective May 1, 2012 – subject to change without notification. Updated fees may be found in the Schedule of Classes.)

<i>Entrance fee (payable when filing application for admission)</i>	\$25
<i>Tuition for Full-Time Students/semester (12-18 credit hours)</i>	\$9,250

<i>Tuition per credit hour over 18 credit hours per semester</i>	<i>\$540</i>
<i>Tuition per credit hour for Part-Time Students</i>	<i>\$540</i>
<i>Room and Board average cost per semester (varies with type and size of room)</i>	<i>\$4,000</i>
<i>Class/Lab fees.....</i>	<i>vary per course</i>
<i>Technology fee for Full-Time students per semester</i>	<i>\$120</i>
<i>Technology fee for Part-Time students per semester</i>	<i>\$60</i>
<i>Activity fee for Full-Time students per semester.....</i>	<i>\$100</i>
<i>Orientation fee (New students – first semester only)</i>	<i>\$200</i>
<i>On-line course fee (all courses except Theology).....</i>	<i>\$150</i>
<i>On-line course fee for Theology courses</i>	<i>\$100</i>
<i>Graduation fee*.....</i>	<i>\$100</i>
<i>Challenge exam fee per credit hour**.....</i>	<i>\$180</i>
<i>Audit fee per credit hour.....</i>	<i>\$270</i>

A deposit of \$100 is required from all first-time students with their application. This deposit is non-refundable after May 1 and will be applied to the student's account if s/he attends Brescia University.

*If a student does not graduate within 18 months after applying for the degree, the student must re-apply and pay the fee.

**For Challenge Exams, the student must pay a non-refundable fee of \$100 to the Business Office PRIOR to taking the exam. Upon successful completion of the exam, the student must pay the balance of the Challenge Exam fee. No credit will be given for successful completion until the full amount is paid.

TEXTBOOKS FOR BRESCIA CLASSES

Brescia University partners with MBS Direct to provide textbooks and course materials online at <http://bookstore.mbsdirect.net/brescia.htm>. Students should obtain textbooks before classes begin. Students whose financial aid packaging is complete and sufficient to cover all charges may be eligible for a Student Book Voucher. Notification of vouchers will be sent to students' Brescia email addresses. (Student Book Vouchers may also be used for apparel/supplies at the Brescia Campus Store located at 9th and Allen Streets.)

FINANCIAL POLICY

Students can view their bill online through the NetClassroom link on the Brescia home page (www.brescia.edu). Students should contact the Registrar (Administration Building, Room 153 or 270-686-4248) for username and password. No credit will be posted for successful completion of coursework until the full amount of student's bill is paid.

Charges for tuition, fees, room, and meals are due by August 15th (Fall) or January 5th (Spring). Charges for tuition and fees for part-time students are due 10 days before the first class meeting date. Full-time students in good standing may sign up for a payment plan. For more information, students should go to www.brescia.edu/student-accounts or contact the cashier at (270) 686-4238.

- To pay in person: Cash, check, or credit card (VISA, MasterCard, and Discover) payments can be made in the Cashier's Office (Administration Building, Room 150), Monday – Friday, 8:00 AM to 4:30 PM.
- To pay online: VISA, MasterCard, Discover, American Express, and EFT (Electronic Funds Transfer) are accepted online at www.brescia.edu/student-accounts.

In order to protect sensitive student information, Brescia no longer accepts credit card information over the phone.

- To mail payment: Checks can be mailed to Brescia University, Cashier's Office, 717 Frederica Street, Owensboro, KY 42301

Refunds of financial aid in excess of charges will be made each Friday, beginning approximately one month from the date of the first class meeting.

A late charge of 1.5% per month will be assessed on past due balances as of the 15th of any month. A Late Payment Fee of \$100 will be added to accounts not settled by the first day of classes. A charge of \$25.00 is imposed for checks returned because of insufficient funds.

Satisfactory settlement of accounts must be made before a grade report or transcript of credits will be issued, and before a student may register for subsequent terms. Students with past due accounts may be excluded from campus activities including but not limited to participating on athletic teams, University sponsored travel, and other University sponsored activities. Non-payment of charges may also affect the student's eligibility to use campus resources including but not limited to room, board, and access to campus technology.

Students who will be reimbursed by their employer for tuition and fees may sign up for the Employer Tuition Reimbursement Plan. An administrative fee of \$10.00 per course will be assessed on the Employer Tuition Reimbursement Plan and will be due at registration.

All full-time students are required to have health insurance. Students will be charged for health insurance unless a Waiver Form is completed and submitted by the first day of regular semester classes. Each Student Insurance Waiver is for one academic year only and expires at the end of the spring semester.

WITHDRAWAL/REFUND POLICY

In order to withdraw from a class or classes, the student must prepare and submit an official withdrawal form to the Office of the Registrar, located in Room A153.

In general, students withdrawing after classes have started will be charged an administrative withdrawal fee of \$100. Tuition charges will be pro-rated based on the number of days in the semester. There will be no refund/reduction of fees or health insurance. See following sections for details of withdrawal calculations. The date of withdrawal is the date the student provides official notification to the Office of the Registrar. ***Non-attendance at class or unofficial notification of withdrawal does not constitute formal withdrawal.***

Full-time traditional students: The Period of Enrollment is defined as the number of calendar days between the start and end of the semester. The Start of Semester is defined as either the date of the student's first class meeting in the semester or the date of the first regular semester classes, whichever is earlier. The End of the Semester is defined as the last date of finals for the semester. Full-time traditional students who withdraw from the University prior to the first day of their Period of Enrollment will not be charged tuition or class fees. Full-time traditional students withdrawing from the University on or after the first day of their Period of Enrollment will be charged an administrative withdrawal fee of \$100. There will be no refund/reduction of fees or health insurance. Tuition charges will be pro-rated based on the number of days enrolled in the University during their Period of Enrollment, until 60 % of their Period of Enrollment has been completed. After the 60 % of the Period of Enrollment has been completed, there will be no refund of tuition charges. Full-time traditional students who withdraw from classes may lose all or part of their finan-

cial aid and should visit the Financial Aid office to determine the impact on their aid package. Students whose status changes to part-time due to withdrawal from one or more classes PRIOR to the date of the first class meeting will be considered part-time for purposes of this refund policy.

Part-time students: The Period of the Class is defined as the number of calendar days between the first and the last date of the class. Part-time students who withdraw from a class prior to the first class meeting will not be charged tuition or fees for that class. Students withdrawing from a class on or after the date of the first class meeting will be charged an administrative withdrawal fee of \$100. There will be no refund/reduction of fees or health insurance. Tuition charges will be pro-rated based on the number of days enrolled in class and the Period of the Class, until 60 % of the Period of the Class has been completed. After the 60 % of the Period of the Class has been completed, there will be no refund of tuition charges. Students who withdraw from classes may lose all or part of their financial aid and should visit the Financial Aid office to determine the impact on their aid package.

Summer Sessions: The Period of the Class is defined as the number of calendar days between the first and the last date of the class. Students who withdraw from a class prior to the first class meeting will not be charged tuition or fees for that class. Students withdrawing from a class on or after the date of the first class will be charged an administrative withdrawal fee of \$100. There will be no refund/reduction of fees. Tuition charges will be pro-rated based on the number of days enrolled in class and the Period of the Class, until 50% of the Period of the Class has been completed. After the 50% of the Period of Class has been completed, there will be no refund of tuition charges.

RESIDENCE HALL FEES

Residence Hall housing contracts are for the full academic year (except for students graduating in December). Brescia follows the accepted collegiate practice of not refunding room charges if a student moves off campus. The cost of meals is calculated on a weekly basis from the first day of meal contract through the end of the week in which withdrawal occurs. A full week is charged for any fraction of a week.

Room Reservation/Security Deposit: A deposit of \$100.00 is required of all residence hall students. This deposit serves as both a room reservation and a security deposit. As a room reservation deposit it is refunded in full if the reservation is cancelled prior to June 30th (or December 31 for an originally-scheduled new Spring student). As a security deposit it is refunded within 90 days when a student withdraws from the residence hall, provided there is no damage to the student's room or common areas of the residence hall. Students should see the current *Student Handbook* for other policies relating to Residence Life.

STUDENT FINANCIAL AID

Students who need financial support in meeting their educational costs at Brescia University may receive assistance through the University's own scholarship and aid programs, through the many federal and state programs in which the University participates, and through the University's payment plans.

ELIGIBILITY FOR STUDENT AID

To be eligible for federal and state aid, a student must be enrolled in a degree or certificate program, hold U.S. citizenship, maintain satisfactory academic progress, certify that s/he will use financial aid for educational purposes only and that he has complied with the selec-

tive service requirement, and not be in default on a federal or state loan or owe a repayment on any federal or state aid.

Satisfactory Progress is measured by cumulative grade point average (GPA) and by credit hours earned in relation to hours attempted [see table below]. Credit hours attempted are the number of hours in which a student is enrolled at the end of the drop/add week. After that week, all failed, withdrawn, repeated, or incomplete hours are counted in the number of hours attempted. GPA and credit hours earned in relation to hours attempted will be checked at the end of each semester prior to disbursement of financial aid. Students who withdraw from all classes and/or receive all Fs may have to repay a portion of any federal aid received for that semester. Any student with Incomplete (I) for a grade will not receive additional funds for the next semester until all Incompletes are replaced with a grade.

At the completion of the following attempted credit hours ,	6–30	31–48	49+
a student must have earned at least this percentage of attempted hours	67%	67%	70%
with at least this cumulative grade point average	1.5	1.7	2.0

Financial Aid Probation results from the first offense or failure to meet one aspect of the standard of satisfactory progress. During the probationary semester, the student can continue to receive financial aid, but must bring their cumulative grade point average and/or percentage of hours completed up to the appropriate standard. If the student does not achieve the appropriate standard for their level at the end of the probationary semester, that student will then be placed on Financial Aid Suspension.

Financial Aid Suspension results when a student fails to meet satisfactory academic progress on the second (or greater) offense. During the suspension period, a student is expected to pay for his or her own classes at their normal class load level to bring their grade point average and/or percentage up to the appropriate standard for their attempted hourly level. If the student can show that they are making satisfactory academic progress during this period, the student may appeal their financial aid for the next semester.

Financial Aid Appeal is submitted to the Office of Financial Aid, using the form attached to the Financial Aid Suspension letter. Students are encouraged to file the appeal when unusual circumstances contribute to their Financial Aid Suspension.

APPLICATION PROCEDURES

Students who wish to be considered for student financial aid should complete the Free Application for Federal Student Aid (FAFSA). The FAFSA can be submitted by mail or online at www.fafsa.edu.gov. The priority filing date is March 15 of each year. Applications received after that date will be considered as funds are available.

RIGHTS AND RESPONSIBILITIES

Students are expected to understand fully their rights and responsibilities with respect to institutional, federal, and state financial aid. Information is mailed to students at appropriate times during the year, published in the school newspaper, distributed at registration time, and is available at all times through the Financial Aid Office.

INSTITUTIONAL AID

Brescia University awards institutional aid annually to incoming students on the basis of academic excellence, leadership qualities, athletic ability, and talent. Awards range from partial to full tuition, room, and board, and are renewable provided the recipient maintains full-time enrollment as well as all academic requirements associated with the award. To

receive institutional aid, the student must complete the FAFSA. Students should contact the Financial Aid Office regarding specific institutional aid criteria and amounts.

GRANTS

The Pell Grant provides assistance in the form of non-repayable grants to students attending post-secondary institutions. Criteria include need, citizenship or permanent resident status in the United States, and enrollment in an undergraduate program of study.

KHEAA Grants, available through the Kentucky Higher Education Assistance Authority, provide aid to residents of Kentucky who are attending post-secondary institutions in Kentucky. To be eligible a student must be a resident of Kentucky, be enrolled as a full-time student, and have completed the FAFSA. Specifics regarding KHEAA Grants available to Brescia University students can be obtained online at www.KHEAA.com.

Supplemental Educational Opportunity Grants are federal grants available to students with need. The Director of Financial Aid determines eligibility for and amount of the grant. Awards, dispersed on a first-come-first-served basis, range from \$200 to \$1,000 annually.

EMPLOYMENT

The Federal College Work-Study program provides assistance through employment on campus. In order to qualify for employment, the applicant must establish need by filing a FAFSA. Students work from seven to fifteen hours per week at a rate of pay in accord with federal wage and hour regulations. Continued employment is contingent upon satisfactory academic progress and work performance. Students are not eligible to begin work until they have completed the required forms in Human Resources Office.

Brescia University Student Assistance program provides employment to a small number of students. Rate of pay and selection of students is comparable to that described above under Federal College Work-Study. Students are not eligible to begin work until they have completed the required forms in Human Resources Office.

LOANS

Perkins Loans are available to students who establish need and who are enrolled for at least six credit hours a semester. The maximum aggregate loan for undergraduate study is \$15,000; the borrower is limited to \$6,000 until after completion of the sophomore year. The loan is interest-free during the period of enrollment; simple interest at the rate of 5% per year begins to accrue at the beginning of the repayment period. The repayment period begins nine months after the student is no longer enrolled as at least a half-time student.

Cancellation, postponement, and deferment benefits are available as noted in the promissory note. See a Financial Aid Officer for more information about these benefits.

Stafford Loans are designed primarily to provide loans with special interest rates to eligible students for educational expenses. They are available through participating commercial lenders such as banks, credit unions, and savings and loan associations. To be eligible for a Stafford Loan, a student must be a citizen or permanent resident of the United States; be enrolled on at least a half-time basis; and maintain satisfactory progress. Students who are in default on a previous loan or who owe a refund on a grant previously received are ineligible. The interest rate is eight percent for the first four years of repayment and ten percent for the next six years. Repayment for the borrower begins six months after the borrower ceases to be at least a half-time student.

Brescia University Student Loans are available in a limited number to students through its own loan fund. The simple interest rate is 6%. Repayment extends over a ten-year period dating from the borrower's last documented date of attendance, with a minimum principal repayment of \$40 a month. In general, persons who do not qualify for one of the above two loans may obtain assistance through the Brescia University Student Loan fund (as funds are available).

ALUMNI TUITION DISCOUNT

An alumnus/alumna of a Brescia undergraduate program is eligible for a 25% tuition scholarship for Brescia's undergraduate courses. An alumnus/alumna of a Brescia undergraduate program is any individual who has earned a B.A., B.S., or B.S.W. from Brescia. A child of an alumnus/alumna who is 25 years old or younger, the spouse of alumnus/alumna, or the dependent of an alumnus/alumna as defined by the Internal Revenue Code is eligible for a 10% discount on Brescia's undergraduate courses. This 10% discount applies to a child, spouse, or dependent of an alumnus/alumna of a Brescia undergraduate program or graduate program. A Free Application for Federal Student Aid (FAFSA) must be completed each academic year to receive the tuition discount. The discount will not be applied if the FAFSA is not completed. The Alumni Tuition Discount Application must be completed and submitted to the Financial Aid Office by the first day of classes. The Alumni Tuition Discount Application must be completed each academic year. Brescia students who are currently receiving Brescia grants or scholarships, including but not limited to academic or athletic scholarships, are not eligible for the 25% alumnus/alumna tuition discount.

VETERANS' BENEFITS

Brescia University offers veterans an educational curriculum approved under the provisions of the federal government for educational benefits. The Registrar and the Director of Financial Aid provide advisement to veterans. Those eligible for educational benefits should contact the VA certifying official (Registrar) at each registration. Veterans are responsible for notifying the certifying official of any change in status. Failure to report this information may result in the individual's being held liable by the Veterans Administration for any overpayment.

To Obtain Forms or Further Information Regarding Financial Aid, prospective financial aid applicants should contact the Office of Financial Aid, Brescia University, Owensboro, Kentucky 42301-3023. (270-686-4253 or 1-877-Brescia)

BUonline PROGRAM

BUonline classes are offered in an online format that includes once-a-week synchronous chat sessions with students and instructor. The program is designed for adult students who are unable to attend college courses within the traditional format (e.g., weekday classes on campus) because of career or family responsibilities or distance from the University.

Non-BUonline students who desire to enroll in an online course must be recommended by their advisors and receive permission from the Associate Academic Dean (270-686-4261; Room 130A) before registering for the course.

REGISTRATION AND PAYMENT – BUonline

Priority registration for each module will be one week before the beginning of the course to allow ample time for textbook purchase. Online classes do not qualify for the exchange program with Kentucky Wesleyan College (KWC) students.

BASIC EXPENSES PER SEMESTER – BUonline

(Effective May 1, 2012 – subject to change without notification. Updated fees may be found in the Schedule of Classes.)

<i>Entrance fee (payable when filing application for admission)</i>	\$25
<i>Tuition per credit hour for BUonline students</i>	\$375
<i>Class/Lab fees</i>	<i>vary per course</i>
<i>Technology fee for Part-Time students per semester</i>	\$60
<i>On-line course fee (all courses except Theology)</i>	\$150
<i>On-line course fee for Theology courses</i>	\$100
<i>Graduation Fee*</i>	\$100
<i>Audit fee per credit hour</i>	\$270
<i>Challenge exam fee per credit hour**</i>	\$170

*If a student does not graduate within 18 months after applying for the degree, the student must reapply and pay the fee.

**For Challenge Exams, the student must pay a non-refundable fee of \$100 to the Business Office PRIOR to taking the exam. Upon successful completion of the exam, the student must pay the balance of the Challenge Exam fee. No credit will be given for successful completion until the full amount is paid.

TEXTBOOKS FOR BUONLINE CLASSES

Brescia University partners with MBS Direct to provide textbooks and course materials online at <http://bookstore.mbsdirect.net/brescia.htm>. Students should obtain textbooks well before the first scheduled class chat begins in case there are pre-assignments found in the online syllabus. Students whose financial aid packaging is complete and sufficient to cover all charges may be eligible for a Student Book Voucher. Notification of vouchers will be sent to students' Brescia email addresses. (Student Book Vouchers may also be used for apparel/supplies at the Brescia Campus Store located at 9th and Allen Streets.)

FINANCIAL POLICY – BUonline

Students can view their bill online through the NetClassroom link on the Brescia home page (www.brescia.edu). Students should contact the Registrar (Administration Building, Room 153 or 270-686-4248) for username and password. Additional information/forms are available at www.brescia.edu in the Student Accounts section. No credit will be posted for successful completion of coursework until the full amount of student's bill is paid.

Charges for tuition and fees for part-time students are due 10 days before the first class meeting date. For more information, students should go to www.brescia.edu/student-accounts or contact the cashier at (270) 686-4238.

- To pay in person: Cash, check, or credit card (VISA, MasterCard, and Discover) payments can be made in the Cashier's Office (Administration Building, Room 150), Monday – Friday, 8:00 AM to 4:30 PM.
- To pay online: VISA, MasterCard, Discover, American Express, and EFT (Electronic Funds Transfer) are accepted online at www.brescia.edu/student-accounts. In order to protect sensitive student information, Brescia no longer accepts credit card information over the phone.
- To mail payment: Checks can be mailed to Brescia University, Cashier's Office, 717 Frederica Street, Owensboro, KY 42301

Refunds of financial aid in excess of charges will be made each Friday, beginning approximately one month from the date of the first class meeting.

A late charge of 1.5% per month will be assessed on past due balances as of the 15th of any month. A Late Payment Fee of \$100 will be added to accounts not settled by the first day of classes. A charge of \$25.00 is imposed for checks returned because of insufficient funds.

Satisfactory settlement of accounts must be made before a grade report or transcript of credits will be issued, and before a student may register for subsequent terms. Students with past due accounts may be excluded from University sponsored activities if applicable. Non-payment of charges may also affect the student's eligibility to use campus resources including but not limited to access to campus technology.

Students who will be reimbursed by their employer for tuition and fees may sign up for the Employer Tuition Reimbursement Plan. An administrative fee of \$10.00 per course will be assessed on the Employer Tuition Reimbursement Plan and will be due at registration.

FINANCIAL AID AND SCHOLARSHIPS – BUonline

In order to be eligible for full-time financial aid (for description of kinds available, see above, pp. 19-22), a student must take at least 12 credit hours in a semester. To be eligible for part-time financial aid a student must register for at least 6 credit hours. BUonline students are not eligible for institutional and endowed scholarships.

WITHDRAWAL/REFUND POLICY – BUonline

Tuition charges will be pro-rated based on the number of days in the semester or module. There will be no refund/reduction of fees or health insurance. The date of withdrawal is the date the student provides official notification to the Office of the Registrar. ***Non-attendance at class or unofficial notification of withdrawal does not constitute formal withdrawal.*** It is the responsibility of the student rather than the instructor to contact the Registrar about class withdrawal.

Semester Modules: Withdrawal calculations are based on the following: The Period of the Class is defined as the number of calendar days between the first and the last date of the class. Students who withdraw from a class before the first class meeting will not be charged tuition or fees for that class. In general, students withdrawing from a class on or after the date of the first class meeting will be charged an administrative withdrawal fee of \$100. Tuition charges will be pro-rated based on the number of days enrolled in class and the Period of the Class, until 60 % of the Period of the Class has been completed. After the 60 % of the Period of the Class has been completed, there will be no refund of tuition charges. BUonline students who withdraw from classes may lose all or part of their financial aid, and should contact the Financial Aid office to determine the impact on their aid package.

Summer Sessions: The Period of the Class is defined as the number of calendar days between the first and the last date of the class. Students who withdraw from a class prior to the first class meeting will not be charged tuition or fees for that class. Students withdrawing from a class on or after the date of the first class will be charged an administrative withdrawal fee of \$100. Tuition charges will be pro-rated based on the number of days enrolled in class and the Period of the Class, until 50% of the Period of the Class has been completed. After the 50% of the Period of Class has been completed, there will be no refund of tuition charges.

GRADUATE PROGRAMS

ADMISSION REQUIREMENTS AND PROCEDURES – GRADUATE

Brescia University welcomes applications for enrollment as a matriculated student as well as those who may be interested in taking a graduate course as a non-matriculated student.

Applicants to graduate studies at Brescia University should hold an appropriate bachelor's degree from an accredited institution.

- Matriculated Student – Any applicant who fulfills admissions criteria for the specific master's degree program (see each program for those criteria).
- Non-matriculated Student – Any student who is not pursuing a degree.

Registration: The dates of registration for each program for each semester are found in the academic calendar at www.brescia.edu. Pre-registration, an opportunity for early registration, is offered before final examination week for currently enrolled students.

Course Load: A full-time graduate student carries a minimum of 8 credit hours per semester (with a half-time student carrying 4 credit hours per semester). A part-time graduate student carries fewer than eight credit hours per semester.

Academic Probation/Suspension: If the student's cumulative graduate GPA falls below 3.0, the student will be placed on academic probation. If after two additional courses, the student has not regained a 3.0 cumulative GPA, s/he may be dismissed from the program. A student receiving a D, an F, or three C's may also be dismissed from the program.

MASTER OF BUSINESS ADMINISTRATION (MBA)

Matriculated Student: Each MBA applicant must submit the following to the Brescia University Admissions Office:

1. A completed MBA application and a non-refundable \$50 application fee;
2. Official transcripts from all institutions of higher education previously attended;
3. A transcript showing a cumulative grade point average of 2.5 or above for the undergraduate degree;
4. Evidence of the completion of GMAT or GRE. The scores must be sent directly from the Educational Testing Service to Brescia University's Office of Admissions. An applicant must have a total of at least 900 points based on the formula: 200 times the overall GPA plus the GMAT score; or have at least 1300 points based on the formula 200 times the overall GPA plus the GRE scores;
5. Non-native English speakers must also submit a TOEFL exam with a minimum score of 100.

The application will be reviewed by the Admissions Committee upon receipt of all required materials. An applicant who meets the above criteria may be accepted unconditionally into the degree program.

Applicants failing to meet the minimum admissions requirements will be considered on an individual basis by the Admissions Committee and the Director of the MBA Program, who may recommend one of the following:

1. *Grant admission as a regular MBA student;*
2. *Grant admission as a non-degree student (refer to next paragraph); or*
3. *Deny admission.*

Non-Matriculated (Non-Degree) Students: Non-degree students are limited to a maximum of 6 credit hours of enrollment.

Credit Transfer: Students may transfer up to six hours of credit or two courses into the program. The Graduate Committee will ensure that the courses transferred are equivalent to Brescia's MBA courses in terms of content and requirements. Only courses in which the student scored a B or higher are eligible for transfer.

Equivalency Exam: Students may meet course prerequisite requirements by demonstrating college-level achievement through submitting a passing score on **College Level Examination Level (CLEP)** exams for certain MBA courses. CLEP score reports and/or transcripts must be sent directly to Brescia by the College Board organization. (For more information see www.collegeboard.com.)

Retention: Students must maintain a B average to remain in the program.

Credit Hours Required: 30 credit hours (10 courses).

MASTER OF SCIENCE IN MANAGEMENT (MSM) – ONLINE

Evaluation of applicants is based on undergraduate and graduate (if any) work, Graduate Management Admissions Test (GMAT) scores, and supervisory work experience. These criteria are consistent with defined primary indicators of high promise of success in post-graduate business study.

Matriculated Student: Each MSM applicant must submit the following to the Brescia University Admissions Office:

1. A completed MSM application, including a non-refundable \$50 application fee;
2. Official transcripts of credit earned from all institutions of higher education previously attended;
3. Demonstration of cumulative grade point average of 2.5 or above for the undergraduate degree;
4. Evidence of the completion of GMAT or GRE. The scores must be sent directly from the Educational Testing Service to Brescia University's Office of Admissions. An applicant must have a total of at least 900 points based on the formula: 200 times the overall GPA plus the GMAT score; or have at least 1300 points based on the formula 200 times the overall GPA plus the GRE scores;
5. Evidence of an undergraduate degree in Business, or an undergraduate degree in another field with a minimum of three years of supervisory and/or managerial experience; and
6. A resumé highlighting supervisory experience.

The application will be reviewed upon receipt of all required materials. Class size is limited, and acceptance into the program will be on a competitive basis. An applicant failing to meet the minimum admissions requirements is individually considered by Admissions Committee and the Director of the MSM program.

Following an interview and review of application materials, the Director of the MSM program may recommend the following:

1. *Grant admission as a regular student; or*
2. *Grant admission on a conditional basis; or*
3. *Deny admission.*

In order to remove the conditionally-accepted status, the student must earn a "B" average or better in the first two courses of the MSM program. After reviewing the conditionally-accepted student's record at the end of the first two courses, the Director of the MSM program may recommend denial of regular admission to the graduate program. If so, the applicant is provided reasons for denial and steps to be followed if s/he wishes to re-apply to the University.

An applicant who is denied admission to the MSM program may subsequently gain admission by retaking the GMAT and achieving a sufficiently high score, or by gaining additional relevant work experience, or by raising her/his undergraduate grade point average.

Non-Matriculated (Non-Degree) Students: Non-degree students are limited to a maximum of 8 credit hours of enrollment.

Credit Transfer: Up to six hours of credit or 2 courses may be transferred into the program. Transfer credits may not be older than 6 years.

Experiential Credit: Credit is not awarded for experiential learning.

Program Completion: After admission to the program, students must complete the MSM within six (6) years.

Any exceptions to the above policies must be approved by the Director of the MSM Program.

MASTER OF SCIENCE IN TEACHER LEADERSHIP (MSTL) – Online and On-Campus

Matriculated Student: Each MSTL applicant must submit the following to the Brescia University Admissions Office:

1. An application for admission and a non-refundable \$50 application fee;
2. Official undergraduate transcripts of credit earned from all institutions of higher education previously attended;
3. Evidence of completion of the GRE, with a minimum score of 400 on each of the three parts; or successful completion of the Praxis II PLT and Specialty test in the candidate's subject area(s); or successful completion of the National Teacher Exam (NTE); or successful completion of another state's certification exam(s); or current Kentucky Provisional or Professional Teaching Certification;
4. Demonstration of cumulative grade point average of 2.75 or above for undergraduate degree; and
5. Two letters of reference indicating applicant's probability of success in a graduate program.

The applicant must also be interviewed by the Director of the MSTL program. Applicants who successfully meet the above criteria may be accepted unconditionally into the program.

An applicant failing to meet the minimum admissions requirements is individually considered by the Admissions Committee and the Director of the MSTL program. Following the interview and review of application materials, the Director of the MSTL program, who will then recommend one the following:

1. *Grant admission as a regular MSTL student;*

2. *Grant admission as a non-degree student (refer to Non-Matriculated Student section below); or*
3. *Deny admission.*

If a student is denied admission, the applicant is provided reasons for denial and steps to be followed if s/he wishes to re-apply to the University.

Non-Matriculated Student: Students who wish to study at Brescia but not follow a degree program may apply to enroll for courses without following the standard application procedure. No transcript is needed. Students need only complete an application for admission and pay a one-time nonrefundable application fee of \$50. Approval of the Director of the MSTL program is required. A maximum of twelve (12) hours may be taken as a non-matriculated student. If the student later decides to pursue a degree, the regular admissions procedure must be followed.

Credit Transfer: Six (6) hours of credit or 2 courses may be transferred into the program. Transfer credits may not be older than 6 years.

Program Completion: After admission to the program, students must complete the MSTL within six (6) years.

Any exceptions to the above policies must be approved by the Director of the MSTL Program.

BASIC EXPENSES PER SEMESTER – GRADUATE

(Effective May 1, 2012 – subject to change without notification. Updated fees may be found in the Schedule of Classes.)

<i>Entrance fee (payable when filing application for admission)</i>	\$25
<i>Graduate tuition per credit hour</i>	\$500
<i>Class/Lab fees</i>	<i>vary per course</i>
<i>Technology fee for Part-Time student per semester</i>	\$60
<i>On-line course fee</i>	\$150
<i>Graduation Fee*</i>	\$100
<i>Audit fee per credit hour</i>	\$270

*If a student does not graduate within 18 months after applying for the degree, the student must reapply and pay the fee.

TEXTBOOKS FOR CLASSES – GRADUATE

Brescia University partners with MBS Direct to provide textbooks and course materials online at <http://bookstore.mbsdirect.net/brescia.htm>. Textbooks should be purchased before the first scheduled class session. Students whose financial aid packaging is complete and sufficient to cover all charges may be eligible for a Student Book Voucher. Notification of vouchers will be sent to students' Brescia email addresses. (Book Vouchers may also be used for apparel/supplies at the Brescia Campus Store located at 9th and Allen Streets.)

FINANCIAL POLICY – GRADUATE

Students can view their bill online through the NetClassroom link on the Brescia home page (www.brescia.edu). Students should contact the Registrar (Administration Building, Room 153 or 270-686-4248) for username and password. Additional information/forms are

available at www.brescia.edu in the Student Accounts section. No credit will be posted for successful completion of coursework until the full amount of student's bill is paid.

Charges for tuition and fees for graduate students are due 10 days before the first class meeting date. For more information, students should go to www.brescia.edu/student-accounts or contact the cashier at (270) 686-4238.

- To pay in person: Cash, check, or credit card (VISA, MasterCard, and Discover) payments can be made in the Cashier's Office (Administration Building, Room 150), Monday – Friday, 8:00 AM to 4:30 PM.
- To pay online: VISA, MasterCard, Discover, American Express, and EFT (Electronic Funds Transfer) are accepted online at www.brescia.edu/student-accounts. In order to protect sensitive student information, Brescia no longer accepts credit card information over the phone.
- To mail payment: Checks can be mailed to Brescia University, Cashier's Office, 717 Frederica Street, Owensboro, KY 42301

Refunds of financial aid in excess of charges will be made each Friday, beginning approximately one month from the date of the first class meeting.

A late charge of 1.5% per month will be assessed on past due balances as of the 15th of any month. A Late Payment Fee of \$100 will be added to accounts not settled by the first day of classes. A charge of \$25.00 is imposed for checks returned because of insufficient funds.

Satisfactory settlement of accounts must be made before a grade report or transcript of credits will be issued, and before a student may register for subsequent terms. Students with past due accounts may be excluded from campus activities including but not limited to participating on athletic teams, University sponsored travel, and other University sponsored activities. Non-payment of charges may also affect the student's eligibility to use campus resources including but not limited to access to campus technology.

Students who will be reimbursed by their employer for tuition and fees may sign up for the Employer Tuition Reimbursement Plan. An administrative fee of \$10.00 per course will be assessed on the Employer Tuition Reimbursement Plan and will be due at registration.

FINANCIAL AID AND SCHOLARSHIPS – GRADUATE

In order to be eligible for full-time financial aid, a student must take at least 8 credit hours in a semester. To be eligible for part-time financial aid a student must register for at least 4 credit hours. BUonline students are not eligible for institutional and endowed scholarships.

WITHDRAWAL/REFUND POLICY – GRADUATE

Tuition charges will be pro-rated based on the number of days in the semester or module. There will be no refund/reduction of fees or health insurance. The date of withdrawal is the date the student provides official notification to the Office of the Registrar. ***Non-attendance at class or unofficial notification of withdrawal does not constitute formal withdrawal.***

Semesters or Modules: Withdrawal calculations are based on the following: The Period of the Class is defined as the number of calendar days between the first and the last date of the class. Students who withdraw from a class before the first class meeting will not be charged tuition or fees for that class. In general, students withdrawing from a class on or after the date of the first class meeting will be charged an administrative withdrawal fee of \$100. Tuition charges will be pro-rated based on the number of days enrolled in class and the

Period of the Class, until 60 % of the Period of the Class has been completed. After the 60 % of the Period of the Class has been completed, there will be no refund of tuition charges.

Summer Sessions: The Period of the Class is defined as the number of calendar days between the first and the last date of the class. Students who withdraw from a class prior to the first class meeting will not be charged tuition or fees for that class. Students withdrawing from a class on or after the date of the first class will be charged an administrative withdrawal fee of \$100. Tuition charges will be pro-rated based on the number of days enrolled in class and the Period of the Class, until 50% of the Period of the Class has been completed. After the 50% of the Period of Class has been completed, there will be no refund of tuition charges.

STUDENT FINANCIAL AID – GRADUATE

Students who will require financial support for their graduate studies at Brescia University are welcome to talk with the Director of Financial Aid regarding options for financing a graduate degree. Graduate students are strongly encouraged to speak with their employers about tuition reimbursement programs offered through their companies. The federal government offers a student loan program. Federal and state grants are not available for studies beyond the bachelor's degree. Brescia University does not offer scholarships or assistantships at the graduate level but does offer a deferred payment plan.

VETERANS' BENEFITS – GRADUATE

Brescia University offers veterans an educational curriculum approved under the provisions of the federal government for educational benefits. The Registrar and the Director of Financial Aid provide advisement to veterans. Those eligible for educational benefits should contact the VA certifying official (Registrar) at each registration. Veterans are responsible for notifying the certifying official of any change in status. Failure to report this information may result in the individual's being held liable by the Veterans Administration for any overpayment.

TO OBTAIN FORMS OR FURTHER INFORMATION REGARDING FINANCIAL AID, prospective financial aid applicants should contact the Office of Financial Aid, Brescia University, Owensboro, Kentucky 42301-3023. (270-686-4216).

STUDENT SERVICES AND ACTIVITIES

THE OFFICE OF STUDENT DEVELOPMENT

The Office of Student Activities and Leadership Development coordinates student activities. The Official Calendar & Handbook contains a listing of University events and student organizations. Each student should read the *Brescia University Catalog*, *Student Handbook*, and official announcements to be informed concerning the policies of Brescia University.

STUDENT GOVERNMENT

The Brescia University Student Government Association meets bi-weekly to discuss issues and information pertinent to the student body. Representatives chosen by the Student Government Executive Board have the opportunity to be a part of every University committee affecting student life and academics. These include the Curriculum Committee, Student Welfare Committee, Retention Committee, and the Food Services Committee. Students also serve as representatives on Board of Trustees committees. See the *Student Handbook* or visit www.brescia.edu/student-government for more information.

STUDENT CONDUCT AND DISCIPLINE

Brescia University recognizes the dignity and sacredness of each person and assumes responsibility for providing a Christian atmosphere in which each individual is assisted in the process of becoming a mature and responsible member of society. Those who have chosen to become members of the University community have a responsibility to support the mission of that community. Students at Brescia have an absolute obligation to conduct themselves at all times in a manner that is compatible with a Christian institution, respectful of all other members of the University community, and in harmony with the standards of conduct established by Brescia University for the well-being of all.

Brescia students are considered mature, adult individuals, and as such enjoy subsequent freedoms and responsibilities. All students, therefore, must accept the consequences of their actions. A clear explanation of student rights, responsibilities, and conduct is published in the *Student Handbook*. The Office of Student Development is responsible for the student conduct system. In matters of student conduct, students have a right to a fair hearing. Students who wish to become members of the Student Conduct Board may contact the Student Government Association or the Office of Student Development. Students should consult the current edition of the *Student Handbook* for details on the Code of Conduct, the student conduct system, and the student grievance procedures.

CO-CURRICULAR ACTIVITIES

The **CO-CURRICULUM** is the life of the University outside the classroom. It complements students' coursework and contributes to their development as responsible adults and citizens. Brescia's co-curricular offerings strive to provide student gains in five key areas: Career Development, Aesthetics and Intellectual Enrichment, Interpersonal Development, Intrapersonal Development, and Physical Well-Being. See the *Student Handbook* or visit www.brescia.edu/student-activities for more information about campus events.

Religious: In addition to regular Catholic services, the Office of Campus Ministry sponsors an active program of religious faith development, social action, and community service.

Athletic: Intercollegiate sports include men's soccer, cross-country, indoor and outdoor track, tennis, golf, baseball, and basketball; and women's soccer, cross-country, track, tennis, golf, softball, volleyball, and basketball. The University is a member of the National Association of Intercollegiate Athletics and the Kentucky Intercollegiate Athletic Conference. The University competes on both a regional and national basis.

Brescia also offers a variety of intramural sports, including volleyball, basketball, corn hole, pool, ping pong, badminton, racquetball, football, and tennis.

Creative: Students can develop other talents by writing for the student newspaper or literary magazine; singing in choral groups or playing in ensembles; and getting involved in campus photography or theater productions.

CAMPUS ORGANIZATIONS

Because of Brescia University's commitment to a holistic education of body, mind, and spirit, academic classes are not scheduled between 11 a.m. and noon on Tuesdays and Thursdays so that students may participate in co-curricular activities. Social and educational activities sponsored by campus groups include the following (see www.brescia.edu/student-activities for the most up-to-date list of Student Organizations):

- Alpha Chi National Honor Society
- Brescia Student Social Work Association
- Brescia University Right to Life
- Council for Exceptional Children
- Delta Epsilon Sigma Honor Society
- Fellowship of Christian Athletes
- Freshman Class Council
- Habitat for Humanity
- Ichabod Society (English)
- Junior Class Council
- Kentucky Educators Association Student Program
- Music Club
- National Student Speech – Language – Hearing Association
- Psychology Club
- Sigma Alpha Pi, National Society for Leadership and Success
- Sophomore Class Council
- Spanish Club
- Z.E.S.T. (Zombie Emergency Survival Team)

STUDENT DEVELOPMENT SERVICES

CAREER SERVICES

The Office of Career Services is available to help students and alumni in all phases of career planning and job placement: career exploration, resumé writing, job interview skills, and job search assistance. Employment and internship opportunities are posted regularly. For more information, please see the current edition of the *Student Handbook*.

COUNSELING CENTER

A professional counselor offers a variety of confidential services, including personal issues counseling and vocational counseling and interest testing. Pamphlets on a variety of mental health issues are available at the Counseling Center Office (Room 230 in the Science Building) or online. Students should visit the website www.brescia.edu/counseling or consult the current issue of the *Student Handbook* for additional information.

INTERNATIONAL STUDENTS

The special needs of students from foreign countries are managed by the Office of Student Development together with the services of the Coordinator of International Students and the Office of Admissions.

STUDENTS WITH DISABILITIES

Students with documented disabilities need to provide this documentation to the Coordinator of Disability Services (Room 254 in Administration, 270-686-4259). Needed academic accommodations will be facilitated through this office in coordination with the office of the Academic Dean (VPAA); non-academic accommodations will be addressed through the Office of Student Development.

STUDENT LIFE FACILITIES

BOOKSTORE and CAMPUS STORE

Course books are available for purchase through MBS, the Brescia University online bookstore (<http://bookstore.mbsdirect.net/brescia.htm>). Students with financial aid may be eligible for credit at the online bookstore. Students should see the Student Accounts Clerk (Administration Building – Room 150A) for more information. Books can be shipped directly to student's home or to the University Campus Store. See the online bookstore website for information regarding book returns and buybacks.

The University Campus Store stocks art and computer supplies, notebooks, and a wide variety of Brescia clothing and souvenirs. The campus store is located on the corner of Ninth and Allen Streets (entrance on Allen). Purchases may be made by cash or credit card. Hours of operation (subject to change) are Monday through Thursday, 8:00 AM–4:00 PM and Friday, 8:00 AM–3:00 PM.

CAMPUS CENTER

The Brescia Campus Center is open to students, faculty, and staff for dining, exercise, recreation, meetings, and study. Guests are welcome, if accompanied by their hosts. An ID is needed to use equipment. The gym, scheduled through the athletic department, is open to all students when not scheduled.

LIBRARY

The Fr. Leonard Alvey Library offers access to its print and electronic collection of materials through an automated system available locally through the campus network and internationally via the Internet. Numerous databases offering thousands of full text journals, numerous full text newspapers, and access to over 10,000 library catalogs are included in our resources. A current Brescia ID, a requirement for circulation privileges at the library, also provides borrowing privileges at other local college and public libraries. Students accessing library databases off campus are required to use a current Brescia email address.

The library includes quiet study carrels, listening room, conference and seminar rooms, computer lab, group study room equipped with smartboard and multiple computer connections, photocopy and microfiche/film reader/printers, and computer terminals throughout the library.

Instruction on the use of the library and an online one-hour-credit Information Resources class are offered on a regular basis.

RESIDENCE HALLS

Evidence is clear that on-campus living promotes opportunities to build relationships with faculty and peers, factors directly linked to academic persistence. Student satisfaction with school is enhanced also by campus involvement. Availability of resources and access to facilities, organizations, and activities is greater for students living on campus. In addition, the Residence Life Staff is trained to respond to concerns and questions in a supportive and realistic fashion.

Merici Hall is an air-conditioned residence hall for freshmen, featuring single and double occupancy, lounges, and a recreation room. Saffer Hall provides air-conditioned single rooms for freshmen. Rooms in Saffer and Merici are wired for access to Brescia's computer network that provides access to the Internet, email, the library, and all academic resources on the network. All student rooms are equipped with basic cable TV access. Washers and dryers are available in each residence hall.

Young Hall and **Trustees Hall** are student apartments that are available for upper-class students. These apartments feature five private bedrooms, two baths, a kitchen, a lounge, and laundry facilities. The student rooms in the apartments also provide computer network and cable TV access.

Theme Housing may be available on a year-by-year basis to campus recognized clubs, organizations, or academic groupings. This process requires a group application to the Residence Life Office (209 Campus Center). The expectation is that these groups will serve each other in furthering their education, while serving the community as a whole. Brescia utilizes campus-owned houses in the area for this purpose.

For other policies relating to Residence Life, students should see the current *Student Handbook*.

ACADEMICS

DEGREES OFFERED

Brescia University offers courses leading to the Associate of Arts (AA), the Associate of Science (AS), the Bachelor of Arts (BA), and the Bachelor of Science (BS), the Bachelor of Social Work (BSW), the Master of Business Administration (MBA), the Master of Science in Management (MSM), and the Master of Science in Teacher Leadership (MSTL).

Associate of Arts Degree

Human Services
Liberal Arts

Associate of Science Degree

Addictions Counseling
Business
Engineering Studies
Engineering Technology
Health Sciences

Bachelor of Arts Degree

Art
Art Education (P-12 Teacher Certification)
English
English with an Emphasis in *Professional Writing*
Graphic Design
History
Integrated Studies
Political Science
Political Science with an Emphasis either in *Public Administration* **OR**
International Relations
Psychology
Social Studies
Social Studies with Secondary Teacher Certification
Spanish
Theatre
Theology
Theology with an Emphasis in *Pastoral Studies*

Bachelor of Science Degree

Accounting
Addictions Counseling
Biochemistry
Biology
Biology with Secondary Teaching Certificate
Business
Business with an Emphasis in *Finance and Economics*, **OR** *Human Resource Management*, **OR** *Management*
Chemistry
Chemistry/Chemical Engineering [*dual degree program offered with the University of Louisville: Chemistry degree from BU; Chemical Engineering degree from U of L*]
Computer Science with an Emphasis in *Business and Management Systems*, **OR**
Computer Art, **OR** *Foundations of Reason*, **OR** *Quantitative Theory*, **OR**
Scientific Computing
Elementary Education (P-5)
Integrated Studies

Interdisciplinary Early Childhood Education (Birth to Primary)
 Mathematics (Applied)
 Mathematics with Secondary Teaching Certificate
 Medical Technology
 Middle School Education (5-9)
 Special Education (LBD, P-12)
 Speech Pathology/Audiology

Bachelor of Social Work Degree

Social Work
 Social Work (online degree completion)

Pre-Professional Programs

Dentistry
 Engineering
 Law
 Medicine
 Optometry
 Pharmacy
 Pre-Nursing
 Pre-Podiatric Medicine
 Pre-Physical Therapy
 Speech Pathology/Audiology
 Veterinary Science

Post-Baccalaureate Certificate Programs

Academic certificate programs at Brescia are open to persons who have a baccalaureate degree. These certificates enhance professional development or employment opportunities, and are not teacher certificates. Requirements for the certificate programs are listed in the relevant academic area. A 2.5 cumulative grade point average is required for a certificate.

Accounting
 Addictions Counseling

Graduate Programs

Master of Business Administration (MBA)
 Master of Science in Management (MSM)
 Master of Science in Teacher Leadership (MSTL)

UNDERGRADUATE PROGRAMS AT BRESCIA

EDUCATION OFFERINGS:

A **MAJOR** is a student's primary area of academic study including not less than thirty (30) hours of designated course work, of which 50% must be at the 300-400-level.

A **MINOR** is a secondary area of academic study including not less than twenty-one (21) hours of designated course work, of which 25% must be at the 300-400 level.

An **EMPHASIS WITHIN A MAJOR** is a grouping of courses [not less than fifteen (15) hours] designed to provide special strength in an area, approved by the faculty of the area.

SPECIALIZED COURSES are offered in geography, music, physical education, sociology, and speech in addition to the formal programs of study listed above.

INDEPENDENT STUDY may be designed by the student working under faculty direction. Application forms for such projects can be obtained from the Academic Dean.

DEGREE REQUIREMENTS

THE ASSOCIATE DEGREE

Candidates for the Associate Degree must:

1. *Earn a minimum of sixty-three (63) credit hours;*
2. *Earn a minimum of twenty-seven (27) hours of General Education courses including:*

Eng 101 and Eng 102	6 credits
(Students who receive Advanced Placement Credit in English may fulfill their 6-hour writing requirement by taking either Eng 101 and Eng 102 OR Eng 102 and one of the following: Eng 292, Eng 300, or Eng 301.)	
Sph 110	3 credits
Theology elective	3 credits
Natural Science and Mathematics elective	3 credits
Fine Arts (Art or Music or Theatre Appreciation) elective	3 credits
Social and Behavioral Sciences elective	3 credits
Free electives from approved list of General Education courses (No more than 6 hours in one discipline)	6 credits
3. *Demonstrate college-level competency in mathematics, reading, and writing (cf. Assessment and Placement, pp. 45-46);*
4. *Complete a minimum of thirty (30) hours in a specialization;*
5. *Achieve a cumulative grade point average of 2.0; and*
6. *Apply for the degree three (3) months to one (1) year prior to graduation.*

THE BACHELOR'S DEGREE

Candidates for the Bachelor's Degree (or Baccalaureate Degree) must:

1. *Earn a minimum of one hundred twenty-eight (128) credit hours, of which at least forty-two (42) credit hours are in upper-division courses, that is, more advanced courses bearing a 300 or 400 number;*
2. *Complete fifty-seven (57) credit hours of General Education courses, as described in GENERAL EDUCATION REQUIREMENTS;*
3. *Complete a major program of study with a 2.5 grade point average (a "C" or better in all upper-division courses in the major and minor; students are encouraged to select courses from different disciplines when choosing their free electives [typically a maximum of 60 credit hours in the major field can be applied to the degree unless certification requires additional hours; related disciplines such as management, economics, marketing, and finance are counted separately];*
4. *Achieve a cumulative grade point average of 2.0 on a 4.0 scale; and*
5. *Apply for the degree three (3) months to one (1) year prior to graduation.*

In order for a student to participate in the spring commencement, the student must have completed requirements or have no more than a maximum of nine (9) hours to complete. A plan must be filed with the Registrar detailing how those hours will be completed by the end of summer school, and the student must be pre-registered for summer school.

Double Majors: It is possible to major in more than one area; such double majors may require more than the minimum 128 hours required for graduation and should be planned carefully with the faculty advisor. A maximum of two courses from one major may be included as electives in the other major. A course may count in a maximum of two (2) designations (for example, minor and GER). A student who declares a second major must indicate one of the majors as the primary major and satisfy the GER based on that major's requirement. The student must meet with both advisors and secure both signatures on all registrations and other pertinent forms.

Brescia graduates returning to the University to obtain a second major are considered to have met all GER unless the courses are a requirement of the new major.

Simultaneous Degrees: An associate and a bachelor degree in two different disciplines may be conferred simultaneously, but an associate degree may not be conferred simultaneously with a bachelor degree in the same discipline. Intention to earn an additional degree must be declared to the Registrar a year in advance of the anticipated completion date, with the approval of the program head and advisor. Two baccalaureate degrees may not be awarded in the same year.

GENERAL EDUCATION CORE CURRICULUM

The purpose of the University General Education Requirements is to help the student develop the values, knowledge, and skills characteristic of an educated person and articulated in the Brescia University Educational Outcomes.

BRESCIA UNIVERSITY EDUCATIONAL OUTCOMES

St. Angela Merici, founder of the Ursuline Order that established and sponsors Brescia University, embraced individual differences and promoted development of the whole person. In keeping with this vision and Brescia's mission, all courses in the curriculum and all facets of the co-curriculum together support the following educational outcomes.

Brescia University graduates will be **skilled** in

- | | |
|----------------------|---|
| Thinking | They should be able to apply logic to everyday life; to reason from hypothesis to conclusion; to interpret data; to identify core issues; to evaluate judgments. |
| Research | They should be able to find, observe, and investigate information; to utilize appropriate technology in processing and analyzing information; to synthesize information from disparate sources and disciplines. Brescia adheres to the Information Literacy Competency Standards of the American Library Association found at http://www.ala.org/acrl/standards/informationliteracycompetency . |
| Communication | They should be able to produce organized, purposeful writing in an appropriate style; to speak articulately; to listen effectively; to read with discernment; to constructively interact with others. |
| Creativity | They should be able to recognize and analyze aesthetic impact; to perceive the world from different perspectives; to apply innovative approaches to solving problems; to explore avenues of creativity for their own enrichment and the good of others. |

Brescia University graduates will **value**

- Global Welfare** They should have some understanding of the earth's economic, physical, political, social, and religious environments and our impact upon them; serve as stewards of the earth.
- Human Welfare** They should promote justice; cultivate leadership for the service of others; respect individual differences; build community; appreciate diversity of culture.
- Personal Welfare** They should care for their health; continue intellectual development; seek spiritual growth.

Brescia University graduates will possess **knowledge** of

- Religion and Philosophy** They will acquire knowledge about religious and spiritual traditions; appreciate the dialogue between reason and faith; explore the nature of reality and truth. Areas of study that support this outcome include ethics, philosophy, theology, and world religions.
- Culture and Communication** They will acquire knowledge about the major people, events, and forces that shape human lives; be aware of the heritage of human expression; comprehend differing traditions of various peoples. Areas of study that support this outcome include literature, languages, history, social sciences, visual and performing arts, economics, and business.
- Science and Human Behavior** They will acquire knowledge based on observation, investigation, and analysis; that is, they will understand theories of human development and interaction; patterns of mathematical reason; principles governing the behavior of the natural world; advances in technology. Areas of study that support this outcome include mathematics, the natural sciences, computer science, and behavioral sciences.

GENERAL EDUCATION REQUIREMENTS

<i>Language and Literature</i>	<i>credit hours</i>
Eng 101 – Writing I and Eng 102 – Writing II (Students who receive Advanced Placement Credit in English may fulfill their 6-hour writing requirement by taking either Eng 101 and Eng 102 OR Eng 102 and one of the following: Eng 292, 300, or 301.)	6
Literature	3
Modern Languages	3
Speech	3
Language or Upper-Division Literature Elective	3
<i>Religion and Philosophy</i>	
Theology	6
Philosophy	3
<i>Fine Arts</i>	
Art, Music, OR Theatre Appreciation	3
Fine Arts Electives	6

Natural Science and Mathematics

Mathematics (College Algebra level or higher)	3
Science	3
Math or Science Elective	3

Social and Behavioral Sciences

History (global perspective)	3
Psychology or Sociology	3
Social or Behavioral Electives	6

Restrictions: No more than six (6) credit hours in one discipline may be counted for General Education Requirements. At least six (6) credit hours used to satisfy General Education Requirements must be upper division credits.

Certain skills are basic to attain the preceding objectives; therefore, each student is required to demonstrate college-level competency in mathematics, reading, and writing before admission to sophomore status. Thus, a student who has completed sixty (60) credit hours will not be allowed to register unless all required developmental courses have been completed, and Eng 102 has been completed or is part of current registration.

If major requirements include any field in which General Education courses are required, additional courses in that field are not required to meet General Education Requirements [e.g., students majoring in theology are not required to take six (6) additional hours in theology for General Education]. Elective General Education Requirements may be related subject requirements, but not major requirements. Appropriate computer competency is required for each major.

COURSES APPROVED FOR GENERAL EDUCATION**Language and Literature**

Writing	Eng 101 and Eng 102 (Students who receive Advanced Placement Credit in English may fulfill their 6-hour writing requirement by taking either Eng 101 and Eng 102 OR Eng 102 and one of the following: Eng 292, 300, or 301.)
Literature	Eng 201, Eng 202, Eng 203, Eng 204, Eng 321, Eng 322, Eng 341, Eng 342, Eng 350, Eng 355, Eng 360, Eng 395, or Eng 396
Modern Languages	Frn 101, Frn 102, Frn 201, Frn 202, Spn 101, Spn 102, Spn 201, Spn 202, Spn 312, Spn 314, or Spn 315
Speech	Sph 110
Elective	From Modern Language or Upper-Division Literature courses listed above

Religion and Philosophy

Theology	Th 101, Th 105, Th 110, Th 219, Th 223, Th 302, Th 303, Th 304, Th 305, Th 306, Th 310, Th 312, Th 318, or Th 320
Philosophy	Phl 103, Phl 110, Phl 231, Phl 300, Phl 301, Phl 325, Phl 346, Phl 347, IdC 389

Fine Arts

Appreciation	Art 180, Mus 100, or Drm 141
Electives	Art 101, Art 111, Art 160, Art 171-175, Art 202, Art 212, Art 225, Art 240, Art 280, Art 281, Art 340, Art 370, Art 380, Art 382, Art 384, Art 386, Art 419, Art 480, Art 481, Drm 120, Drm 321, Drm 325, Drm 381, Mus 110, Mus 305, IdC 389 or other appreciation courses

Natural Science and Mathematics

Mathematics	Mth 101, Mth 102, Mth 103, Mth 111, Mth 112, Mth 113, Mth 204, Mth 211, Mth 212, Mth 310
Science	Bio 100, Bio 105, Bio 110, Bio 112, Bio 115, Bio 215, Bio 300, Bio 301, Bio 325, Bio 383, Chm 100, Chm 101, PhS 100, PhS 104, PhS 105, PhS 110
Elective	CS 107, CS 108, CS 109, CS 110, CS 350, IdC 100, or any additional course from those listed above

Social and Behavioral Science

History (global perspective)	His 101, His 102, His 318, His 320, His 332, His 339
Psychology or Sociology	Psy 102, Psy 105, Psy 200, Psy 201, Psy 230, Psy 260, Psy 300, Soc 204
Electives	Eco 201, Eco 202, His 201, His 202, His 311, His 312, His 316, His 317, His 330, His 332, His 333, His 334, His 340, His 342, PIS 200, PIS 201, PIS 215, PIS 250, PIS 411, SW 280, SW 301, SW 302, SW 310, SW 312, WS 302

ACADEMIC POLICIES AND PROCEDURES

ACADEMIC ADVISING

Consultation with an advisor is essential to the development of a sound academic program. Each new freshman is advised by her/his BU 101/102 instructor until the student is ready to enroll as a sophomore. At that time, these students, like all other Brescia University students, are assigned an advisor from her/his area of interest or from a team especially designated for advising exploring (undecided) students.

Advisors' responsibilities extend beyond academic advising to include an interest in the personal and career needs of their students. The Career Services Office provides additional career advisement.

ACADEMIC HONORS

Dean's List: Students who carry twelve (12) credit hours or more per semester and attain a grade point average of 3.5 or above will be placed on the Dean's List, published at the end of each semester. Students with incomplete (I) grades are not eligible.

Honors Program: The Honors Program at Brescia University is intended to challenge and recognize talented and motivated students. Within the program, students will take certain courses designated as “Honors Section” and participate in a range of multidisciplinary experiences aimed at extending their intellectual capabilities, as well as developing public speaking and research skills needed for personal enrichment and/or graduate study. Details are found in this *Catalog*, pp. 111-112. For further information, students should contact the Director of the Honors Program.

Degree Honors: The bachelor’s degree is awarded with honors to students who have maintained a high degree of excellence in completing degree requirements. The diploma is conferred *cum laude* on students who have a cumulative grade point average (GPA) of 3.5; *magna cum laude* on those with a cumulative GPA of 3.7; or *summa cum laude* on those with a cumulative GPA of 3.9.

Students with **transfer credits** may graduate with honors, provided they have earned a **minimum sixty-four (64) credit hours at Brescia** with the designated GPA on all Brescia hours and have attained the designated GPA on all credits applied towards graduation.

ACADEMIC HONOR SOCIETIES

Alpha Chi: Juniors and seniors of good character who have at least a 3.5 cumulative GPA are eligible for active membership in **Alpha Chi**, a national honor society.

Delta Epsilon Sigma: Sophomores, juniors, and seniors who have at least a 3.4 cumulative GPA, have completed sixty (60) hours of credit requirements, and have been nominated by their academic divisions are eligible for **Delta Epsilon Sigma**, a national scholastic organization for students of Catholic colleges and universities.

ACADEMIC INTEGRITY

An instructor who becomes aware of an act of deliberate academic dishonesty, including plagiarism, should report the student(s) involved to the Academic Dean and describe the disciplinary action proposed. (Note: “Plagiarism” is defined as the deliberate use of another’s ideas, work, or words as one’s own, without properly documenting and crediting the original source.) Purchasing or copying another’s work and using it as one’s own, cheating on tests, refusing to do one’s share of group work for which all will receive the same grade, and not doing one’s own homework are other examples of academic dishonesty.

If the incident is particularly damaging to the University, or if the proposed disciplinary action seems out of proportion to the gravity of the incident, the Academic Dean may interview the student(s) personally. After conferring with the faculty member, the Academic Dean will either support the proposed disciplinary action or recommend an alternative.

Academic dishonesty is so serious that a repeated offense may result in the Academic Dean’s decision to suspend or dismiss the student. Any student who feels that s/he has not had a fair hearing, or that the severity of the penalty is unwarranted, may appeal to the Academic Dean within ten (10) days for a hearing by an *ad hoc* board similar to that used for grade review appeals.

ACADEMIC PROBATION, SUSPENSION, AND DISMISSAL

A full-time student whose grade point average (GPA) falls below 1.75 for any single semester or who fails to attain the required cumulative GPA for hours attempted will be placed on academic probation. For a part-time student, this determination will be based on

the last twelve (12) hours attempted. A student will be permitted to remain on probation for no more than two semesters.

Hours Attempted	Cumulative Grade Point Average (GPA)
30	1.5
45	1.65
60	1.75
75	1.9
90	2.0

A student whose GPA for any semester is below 1.5 may be suspended for one semester. A student is suspended for one semester following two semesters of academic probation. Students applying for readmission following *academic suspension* must receive permission of the Academic Dean. (Students on *financial aid suspension* must contact the Director of Financial Aid to resolve the issue.)

Academic probation for an additional two semesters following the reinstatement will result in dismissal. Any appeals for exception to the academic probation, suspension, and dismissal policies should be directed in writing to the Academic Dean.

ACCESS TO RECORDS

In accordance with the Family Educational Rights and Privacy Act of 1974, students have the right to

1. inspect any official academic record directly relating to them, including all materials in the cumulative record folder;
2. a hearing to challenge the contents of these records to insure that they are accurate and in accord with student rights; and
3. request that any such records be corrected, amended, or supplemented.

Unless students specifically waive their rights within the Act, the only information given out about them will be directory information as described by the Act. Faculty advisors and other individuals responsible for the academic progress of the student, however, may inspect the academic records. Requests for information concerning this Act should be directed to the Registrar.

ASSESSMENT AND PLACEMENT POLICIES

Students with Less Than 18 in English and/or Reading ACT

First-time students enrolled in a degree program who score 17 or lower on the English ACT must complete Eng 010, which requires tutorial laboratory sessions weekly in addition to the classroom instruction. When receiving a score of 17 or lower on the Reading ACT, first-time students must complete IdC 009.

Transfer students enrolled in a degree program will be placed in Eng 101 unless they have not successfully passed a college-level course in English 101; in that case, the student will be placed in Eng 010.

Students with Less Than a 19 in Math ACT

First-time students enrolled in a degree program who score less than 19 on the Math ACT will be placed in either Mth 005 or Mth 006. Students in these courses are required to use the tutorial laboratory sessions weekly in addition to the classroom instruction.

Degree-seeking transfer students who have not taken and successfully passed a course at the College Algebra level or higher will be placed in a math course based either on a math department placement test or the recommendation of the Chair of the mathematics area.

BUonline students who have not successfully completed developmental courses or a college-level math are placed in Mth 006 or whatever course is recommended by the Chair of the mathematics area. Online math tutoring is available for these students.

Any student granted admission on a conditional basis is limited to thirteen (13) hours the first semester. Permission must be given by the Academic Dean for the student to register the second semester.

Demonstrating Competence: Each student is expected to demonstrate college-level competency in mathematics, reading, and writing before admission to sophomore standing. Thus, a student who has completed sixty (60) credit hours will not be allowed to register unless all required developmental courses have been completed, and Eng 102 has been completed or is part of current registration.

ATTENDANCE

Students are expected to attend all classes. A student missing twenty percent or more of the scheduled class meetings for a course may be denied credit for that course unless there are extenuating circumstances and the student demonstrates adequate comprehension of course content. In full-semester courses, each instructor is free to set class attendance standards in the course syllabus. Students should consult each course syllabus and speak with the instructor immediately if attendance issues develop.

BLOCK TRANSFER

Brescia University's block transfer agreement awards any graduate of a KCTCS institution with an Associate of Arts or an Associate of Science degree a minimum of sixty (60) transfer credits (but no more than 67), and junior standing. An Associate of Arts or an Associate of Science degree will also satisfy forty-eight (48) hours of Brescia University's General Education Requirements (GERs), provided the student completes at least one class in world history, foreign language, literature, fine arts, philosophy, and religion (theology). Any of these courses not completed at a KCTCS institution must be completed at Brescia University. In addition, at least six (6) upper division credit hours (300- or 400-level) of Brescia's General Education courses must be completed as part of the student's free electives.

Certain majors may require specific courses within the GER; such requirements will take precedence over the Block Transfer. Students should consult the major requirements described in the Academic Programs section of the *Brescia University Catalog* (<http://www.brescia.edu/university-catalog>).

CLASSIFICATION

A **freshman** is a student who has completed fewer than thirty (30) credit hours. A **sophomore** has completed between thirty (30) credit hours but fewer than sixty (60). A **junior** has completed sixty (60) credit hours but fewer than ninety (90). A **senior** has completed 90 or more credit hours. A **non-degree student** is one who is not pursuing a formal program of studies at Brescia.

COURSE LOAD

A **full-time student** undergraduate student carries a minimum of twelve (12) credit hours per semester. (Student teachers are considered full-time.) A **part-time student** carries fewer than twelve (12) credit hours per semester. The normal course load for a full-time student is 15 to 18 credit hours per semester. In order to carry more than eighteen (18) hours, a student must have a 3.75 cumulative GPA or permission of the Academic Dean.

EXPERIENTIAL EDUCATION

Experiential Education is a carefully monitored, pre-planned opportunity for active learning through internships, field studies, cooperative education, community service-learning, practica, cross-cultural programs, and other forms (see National Society for Internships and Experiential Education: NSIEE). Guidelines include:

1. *Goals that translate into measurable objectives must be established jointly by the program faculty, the student, and the organization or person on-site.*
2. *The student has the primary responsibility for securing the position from an institutionally-approved list; however, the faculty in the program area and the placement director may provide assistance.*
3. *The organization must provide a work supervisor who will help the student adapt to the work, evaluate the work performance, and support the learning.*
4. *The program area must have a system for evaluating work positions and individual work supervisors.*
5. *Experiential education may include paid positions, but not all positions will include payment. In certain areas payment is unethical.*
6. *The educational goals and objectives must be signed by the student, faculty sponsor, and work supervisor and be filed in the Office of the Academic Dean.*
7. *The faculty sponsor is responsible for preparing students for effective work and learning. This responsibility may be delegated, but the faculty member must assure that the preparation is provided.*
8. *The experiential education must include a process to assist students to learn from the experience. Acceptable approaches include seminars, telephone visits, written reports, journals, logs, simulation exercises, campus interviews, and work-site visits. All programs are encouraged to include some group activities, since a group process enhances reflection on the experience.*
9. *A minimum of 30 experiential clock hours is required for one hour of credit.*

In addition, summer experiential learning experiences at a distance of more than 100 miles from the University must have a person on-site who represents Brescia University and assumes the faculty supervisory responsibility.

GRADES AND CREDITS

Grading System: Letter grades are assigned for each course, and are translated into quality points for the permanent record by multiplying the number of credit hours for the course by the quality point value for the particular grade.

Example:

- A grade of “B” for a 3 credit hour course would earn:
3 credit hours x 3 quality points = 9 quality points.
- A grade of “B” for a 4 credit hour course would earn
4 credit hours x 3 quality points = 12 quality points.

For computing the grade point average, the total quality points are divided by the number of credit hours attempted.

<i>Grade Symbol</i>	<i>Value in Quality Points</i>	<i>Description</i>
A	4	Superior Performance
B	3	Above Average Performance
C	2	Average Performance
D	1	Passing, but below average
P	0	Passing, but ungraded*
F	0	Failure
I	0	Incomplete
W	0	Withdrawal

***Pass-Fail Grades:** Grades for student teaching are recorded as simply Pass or Fail; courses in physical education may be taken on a pass-fail basis at any time. Juniors and seniors may also take one non-required (free elective) course on a pass-fail basis each semester. Courses taken to fulfill General Education Requirements, major requirements, or teacher certification requirements may not be taken on a pass-fail basis. A student wishing to take a course on this basis must inform the Registrar at the time of registration.

Unless the student wishes to inform the course instructor of this arrangement, the instructor will not be notified.

Incomplete Grades: The grade “I” indicates that the student has not completed course requirements due to extenuating circumstances. Failure to remove the incomplete within the first six weeks of the following semester (excluding summer sessions) will result in an automatic “F” for the course. If the deadline is sooner than six weeks of the following semester, a statement indicating the agreed upon deadline *must be signed by the faculty member and the student and submitted to the Registrar’s Office* along with the statement of work required to complete the course. **It is the student’s responsibility to arrange for the completion of the work in consultation with the instructor for the course.**

Withdrawal: A student withdrawing from a class must obtain a withdrawal form from either the Registrar or advisor, obtain required signatures, and return the form to the Registrar. A student withdrawing from the University must *also* meet with the Academic Dean.

A student who stops attending class is not automatically withdrawn and may receive an “F” for the course if withdrawal procedures are not followed.

Withdrawal from a course during the first week of a semester will not be entered on the permanent record. Through one week following mid-term, the grade “W” will be recorded. A later withdrawal will result in an “F” for the course, barring extenuating circumstances.

Auditing Courses: An **auditor** is one who attends classes without being obligated to complete assignments and without receiving academic credit. Auditors are not entitled to individual assistance from the instructor. Some courses of their very nature demand full and active participation; these courses may not be audited. The fee for auditing is one-half the tuition for the course. The student may change from audit to credit at any time before mid-term, provided that all course work is complete and that requirements are met for admission to the University.

No-Credit Courses: Students wishing to attend classes without receiving academic credit but receiving the full benefit of the course, including personal assistance from the instruc-

tor, may enroll for **no credit**. These students pay the regular tuition fee but are not required to complete class assignments or to take examinations. The student may change from no-credit to credit at any time before midterm, provided that all course work is complete and that requirements are met for admission to the University.

Repeated Courses: When a student repeats a course at Brescia, the better of the two grades received will be considered the permanent grade. Courses originally taken at Brescia University and repeated at another institution will not replace courses taken at Brescia University unless special permission is granted by the Academic Dean. Such permission will be given in rare cases when it is impossible to repeat the course at Brescia University. When permission is granted, the new grade will not replace the former grade but will be included in calculation of the GPA.

Grade Review Board: Students who wish to challenge a grade should consult the grievance procedures in the *Student Handbook*.

GRADUATION REQUIREMENTS

An average of 2.5 in the major field together with a cumulative grade point average of 2.0 is required for graduation. A “C” or better must be earned in all upper division courses in the major and minor fields.

NON-TRADITIONAL CREDIT

Non-traditional credit includes credit by **Challenge Examination, CLEP, AP, Dantes, and IB**. Policies related to non-traditional credit include:

1. *The maximum number of non-traditional hours that may be applied toward a degree is thirty-six (36) for the bachelor's degree and eighteen (18) for the associate degree.*
2. *Evaluation of challenge examinations and experiential learning is limited to students enrolled at Brescia.*
3. *Evaluation is the responsibility of the faculty in the related discipline.*
4. *A form available in the Office of the Academic Dean, which indicates the credit sought, must be filed by the student.*
5. *The credit hours awarded count toward graduation but will not be used in the computation of grade point average.*
6. *A fee is charged.*

Students should see their academic advisor for further details.

Challenge Examination: A challenge examination may be requested from an instructor to test out of a particular course. If the instructor agrees, the student completes the form requesting the exam and obtains necessary signatures for approval. The student must be in good standing, financially and academically, in order to request a challenge exam.

The student must pay a non-refundable fee of \$100 to the Business Office PRIOR to taking the exam. Upon successful completion of the exam, the student must pay the balance of the challenge exam fee. No credit will be given for successful completion until the full amount is paid. (See *Basic Expenses Per Semester* for Challenge Exam Fee amount.)

College Level Examination (CLEP): The CLEP exams may be taken at any national testing center. A CLEP Bulletin of Information and Registration may be obtained by e-mail at clep@info.collegeboard.com. Scores should be sent to the Registrar at Brescia.

Policies related to CLEP include:

1. *Each academic discipline has discretion over the maximum number of credits that may be earned in the major field. Students should consult their faculty advisor before taking a subject examination.*
2. *The student must take the General Battery Examination prior to earning 15 credit hours.*
3. *The subject examinations may be taken any time prior to graduation.*
4. *A CLEP exam will not satisfy the writing General Education Requirement.*
5. *A student who has completed a course may not receive CLEP credit for an examination with similar content, nor may a student take a CLEP examination for credit after having taken a college course at a higher level in the same discipline.*

Advanced Placement (AP) Credit: Brescia University generally awards credit for AP scores of 3, 4, or 5. Prospective and ongoing students should contact the Academic Dean or the academic advisor for information about specific AP credit.

Dantes Credit: Students should contact Registrar for information about DANTES credit.

International Baccalaureate (IB): Brescia University recognizes the International Baccalaureate (IB) program completed in high school. The student is awarded credit by earning a 4, 5, 6, or 7 in a specific subject.

To receive credit, the student must request an official IB transcript to be sent to the Academic Dean at Brescia University.

REGISTRATION

The dates of registration for each semester are found in the academic calendar at the front of this *Catalog*. **Preregistration**, an opportunity for early registration, is offered before final exam week for currently enrolled students and students returning after an absence.

RESIDENCY REQUIREMENT

For the baccalaureate degree, a minimum of forty-two (42) credit hours must be earned at Brescia University. Within the 42 credit hours, the student must have completed the final one-third of the major requirements and the final thirty (30) credit hours toward the degree at Brescia. (A student enrolled in the Dual B.S. Degree in Chemistry/Chemical Engineering is exempt from the requirement to complete the final thirty (30) credit hours at Brescia.)

For the associate degree, a minimum of twenty-one (21) credit hours must be earned at Brescia University. Within the twenty-one (21) credit hours, the student must have completed the final one-third of courses in the area of specialization and the final fifteen (15) credit hours toward the degree at Brescia.

A minimum of thirty-two (32) resident hours beyond those required for the first baccalaureate degree must be completed to obtain a second baccalaureate degree, and sixteen (16) additional resident hours must be completed for a second associate degree.

Graduates of other institutions who wish to receive a degree from Brescia University will be required to fulfill Brescia's residency requirements, major requirements, and General Education Requirements. The usual policies for transfer of credit will apply.

Students who possess at least a baccalaureate degree and who are seeking teacher certification at Brescia University must complete at least 50% of the courses required for certification at Brescia University. Additionally, the last six (6) hours must be completed at Brescia University.

SATISFACTORY PROGRESS

Satisfactory progress ordinarily means the maintenance of a “C” average (grade point average — GPA — of 2.0). An average of 2.5 in the major field together with a cumulative GPA of 2.0 is required for graduation. A “C” or better must be earned in all upper division courses in the major and minor fields.

A cumulative GPA of 2.0 is required for a student to be eligible for an office in a University organization or class; eligibility for student financial assistance is also contingent upon satisfactory progress.

Note: Each student is required to demonstrate college-level competency in mathematics, reading, and writing before admission to sophomore standing. Thus, a student who has completed sixty (60) credit hours will not be allowed to register unless all required developmental courses have been completed, and Eng 102 has been completed or is part of current registration.

TRANSCRIPTS

The transcript, maintained and certified by the Registrar, is the official academic and permanent record of a student. Other documents are destroyed in accordance with the policy of the American Association of Collegiate Registrars and Admissions Officers (AACRAO). The transcript includes identifying personal data and a record of all courses attempted, grades awarded, the major program, and the award of the degree when conferred. Access to records is regulated by the Family Educational Rights and Privacy Act of 1974 (FERPA); for Brescia’s policies related to this Act see *Access to Records*.

Transcripts are issued only after students have fulfilled all financial obligations to the University. There is no charge for the first transcript, but a \$5.00 fee is charged for each additional one (\$10.00 for immediate service). All transcripts issued are official. Requests for transcripts are to be made in writing by the student.

TRANSFER CREDITS

Courses with a grade below a “C” are not accepted as transfer credit courses. A transfer student who has a “D” in the first course of a required two course sequence and a “C” or higher in the second course must retake the first course unless s/he is able to demonstrate competency, in which case the requirement will be waived.

Only 67 credit hours from a community college may be applied to the baccalaureate degree.

WARNING SLIPS

Instructors monitor student progress in each class; if a student encounters difficulties significant enough to endanger her/his credit in the course, the instructor will issue a warning slip to that student. Copies of the warning slip are also distributed to the Academic Dean, to the student’s academic advisor, to Student Support Services, and the Athletic Director (if appropriate). Warning slips are *typically* distributed at midterm and before the deadline for withdrawing from a class; however, if student behavior or performance raises concerns earlier in the semester, an *Early Alert* form may be sent by the instructor to the Academic

Dean and/or University Counselor. Behaviors that might lead to a warning slip include, but are not limited to, 1) excessive absences; 2) poor exam results; 3) limited participation; 4) negligence in assignments; and 5) poor results in written assignments. The intent of these warning slips is to maximize the student's chances for success.

BUonline at BRESCIA UNIVERSITY

Through BUonline, many of the challenges facing adult learners have been removed to make accessing a college degree easier than ever. BUonline classes bring the classroom to the student. Online courses offer convenience, flexibility, and affordability with minimum disruption to other commitments, allowing students to earn degrees that are in demand and that lead to career growth and opportunities. Students participating in online courses must meet the University's admission criteria, while certain majors have additional requirements for acceptance to the program. BUonline students must fulfill the same General Education Requirements as other Brescia students.

For students who already have a degree in another major and would now like to pursue additional study, two certificate programs are available. A Certificate in Accounting is available for students who want to go into accounting, or who wish to meet the eligibility requirements to sit for the CPA exam. A Certificate in Addictions Counseling is also available for students wishing to pursue this field. BUonline also serves students who are not seeking a degree but wish to take courses for personal enrichment or transfer credits.

BUonline participants benefit from competitive tuition rates, opportunities for financial aid, employee tuition reimbursement, and workforce investment funds. With one-stop shopping, one-on-one advising, and technical assistance, learners who need flexible learning formats are well served by BUonline. Because of the accelerated format of most online courses, students should expect to complete a minimum of five-six hours per week of independent study outside of class meetings/chat sessions for each course. Unless stated otherwise, Undergraduate Policies apply to all BUonline students.

ASSOCIATE DEGREES ONLINE

Associate of Science in Business: The online Business major at Brescia University provides students with an introduction to the basic business models and modern business practices. Students also learn skills needed for the conduct of business in a variety of organizations and environments.

Associate of Arts in Human Services: Human Services is the study and provision of human and social services to individuals and communities. The Human Services associate degree prepares students for entry-level positions in a variety of human service agencies.

Associate of Arts in Liberal Arts: The Liberal Arts online associate degree provides students with a wide knowledge-base in areas of communication, language and literature, religion and philosophy, fine arts, natural science and math, and studies in social and behavioral sciences.

UNDERGRADUATE DEGREES AVAILABLE ONLINE

Bachelor of Arts OR Science in Integrated Studies: The Integrated Studies major offers students the freedom and responsibility to develop individualized degree programs. Integrated Studies provides a broader and more flexible educational experience than traditional programs and provides an opportunity for students to concentrate in two-three areas that

may or may not be offered as established majors. Upon completion of the course of studies, the University confers the B.A. or B.S. degree according to the standards for that degree. Academic advising for the Integrated Studies degree is in consultation with appropriate area advisors; because of its interdisciplinary nature, the Integrated Studies degree cannot be awarded simultaneously with a major or minor in a separate academic area.

Bachelor of Science in Addictions Counseling: The Bachelor of Science in Addictions Counseling is designed to provide an innovative and practical education that will enable students to contribute to the care and treatment of individuals and families who seek behavioral health services for various addictions. Though this degree does not of itself result in Certification to work as an addictions counselor or treatment provider, it does substantially shorten the number of required practica hours for such certification; it also provides a solid undergraduate foundation for students contemplating graduate training in addictions.

Bachelor of Arts in Psychology: The Bachelor of Arts in Psychology is designed to provide an efficient and quality opportunity to study the ways in which psychology describes and explains both animal and human behavior; to learn how psychology is applied; and to provide students contemplating graduate training in psychology a solid undergraduate foundation for pursuing career in counseling and similar areas.

Bachelor of Arts in Theology with Emphasis in Pastoral Studies: The Bachelor of Arts in Theology with Emphasis in Pastoral Studies is designed to provide students looking to do graduate work in theology and/or pastoral ministry and students already engaged in or aspiring to enter church ministry the opportunity to obtain a theology degree.

DEGREE-COMPLETION PROGRAM ONLINE

Bachelor of Social Work (BSW) Degree-Completion Program: The Bachelor of Social Work Degree-Completion Program is designed to provide an efficient and high quality delivery of social work theory and practice courses. This online degree-completion opportunity provides degree-seeking students with the knowledge required for the social work field, as well as opportunities for practical application.

A student must have a minimum of 45 credit hours to be formally admitted into the degree-completion program. Brescia accepts up to 86 hours of transfer credit. For students who have **already met the minimum general education requirements (GER) of Brescia University** and who have 83 transferable credits, the program can be completed in two years. Those who **have not met these requirements** may take longer to complete the degree. The online social work program also assists in providing GER credit for those students who meet the criteria for taking online courses at Brescia.

GENERAL EDUCATION REQUIREMENTS (GERs) AND NON-GER COURSES ONLINE

BUonline offers both general education requirement courses (GER) and non-GER courses. These online courses are planned and scheduled to help meet the educational goals of students pursuing online majors or who need additional hours to be accepted in a degree-completion program, or to be used in other majors offered through the Brescia traditional formats. The courses provide an excellent alternative route to the exclusively on-campus general education program and can be used to decrease scheduling conflicts and gaps. Provided there are open slots in these courses, they may also be taken by non-degree students for transfer credit or personal enrichment.

REGISTRATION AND PAYMENT ONLINE

Priority registration for each module will be one week before the beginning of the course to allow ample time for textbook purchase. Registration must be accompanied by payment for the course, or by one-half of the payment if the student is on the deferred payment plan, or by tuition reimbursement forms and fees if the student is being reimbursed by his or her employer. To hold a position in a course and to confirm registration, students who pre-register must settle their account with the cashier's office prior to the first class meeting.

Online classes do not qualify for the exchange program with Kentucky Wesleyan College.

ACADEMIC ADVISING OF ONLINE STUDENTS

A new student entering Brescia through BUonline is assigned to a BUonline advisor. Students pursuing a Psychology degree and students admitted into the Social Work program are assigned academic advisors in their major or area of interest.

WITHDRAWAL FOR ONLINE STUDENTS

In order to withdraw from a course, the student or authorized representative in the BUonline office must file a withdrawal form in the Registrar's Office. If a student withdraws prior to the first class, the course will be removed from the transcript. A student who withdraws after the first class but prior to the appropriate deadline will receive a "W" on the transcript. ***Failure to log into a BUonline course or simply dropping out of a course does not constitute a Withdrawal. The student is responsible for official course withdrawal; failure to ensure that proper paperwork is filled will result in an "F" for the course.***

ATTENDANCE IN ONLINE COURSES

Students are required to attend all class/chat sessions unless prior arrangements have been made with the instructor. In case of an emergency beyond the control of the student, it is left up to the instructor to decide whether to make up the work with the student. However, it is entirely within the faculty member's prerogative to lower the student's grade for class/chat absences that have not been authorized or approved.

CLOSING OR CANCELLATION OF ONLINE CLASSES

In case of the need to close Brescia University or cancel all classes, unless specifically notified to the contrary by the instructor, all online classes will be held. Exceptions must be approved by the Associate Academic Dean and/or the VPAA/Academic Dean.

STUDENT SERVICES ONLINE

BUonline students geographically close to Owensboro are invited to take advantage of student services, activities, and campus facilities; i.e., library, study pavilion, weight room, racquetball court, walking track, and cafeteria. All online students have access to library resources and online tutoring in certain courses.

GRADUATE PROGRAMS AT BRESCIA

In addition to undergraduate Associate and Baccalaureate degrees and degree-completion programs online, Brescia University currently offers courses of study leading to the Master of Business Administration (MBA) on weekends, the Master of Science in Management (MSM) online, and the Master of Science in Teacher Leadership (MSTL) through evening and/or online courses. Each is described in detail with degree requirements in the next section of this *Catalog*. Two of these programs are available in an online format:

Master of Science in Management: The primary goal of Brescia's Master of Science in Management (MSM) Program is to provide early and mid-career professionals with enhanced skills and abilities. The MSM curriculum focuses sharply on the skills, problems, and concepts important to practicing managers. The carefully designed eight-course sequence has been created to provide a practical, comprehensive, and futuristic curriculum that overcomes major criticisms of traditional programs. Initial courses are designed to extend and integrate the undergraduate core body of knowledge in developing a broad foundation of skills and knowledge in management. The second portion of the program provides students with the opportunity to synthesize and integrate the skills developed into a more complete understanding of the organization and its environments. The program can be completed in approximately two years or at the student's own pace.

Master of Science in Teacher Leadership: The Master of Science in Teacher Leadership (MSTL) is designed to equip professional educators with the skills necessary to become master teachers and instructional leaders in public and private schools. The program is ideal for classroom teachers with its integration of theory, research, and practice. Much of what is learned is immediately applicable to classroom settings. The program (offered in both online and evening formats) can be completed in two years or at the candidate's own pace.

RESIDENCY REQUIREMENT

For the MBA, a minimum of 24 credit hours must be earned at Brescia University; for the MSM degree, the minimum is 28 hours; and for the MSTL degree, a minimum of 27 credit hours must be earned at Brescia. The student must complete the final 15 credit hours toward the degree at Brescia. Once accepted into the program, the student must complete the degree within six years for the MSM or MSTL, or five years for the MBA.

COURSE LOAD

A full-time graduate student carries a minimum of eight (8) credit hours per semester. A part-time graduate student carries fewer than eight credit hours per semester, and half-time status is at least four credit hours.

ACADEMIC PROGRAMS and COURSE DESCRIPTIONS

*Subject to change without
prior notice.*

UNDERGRADUATE PROGRAMS

ADDICTIONS COUNSELING

The Addictions Counseling Program, located within the Division of Social and Behavioral Sciences at Brescia University, provides a four-year, a two-year, and a certificate track. The program's core mission is to provide students with an innovative and practical education that will inspire them to make substantial contributions in the care and treatment of individuals and families who seek behavioral health care services for various addictions.

Bachelor of Science Degree in Addictions Counseling: The Bachelor's program prepares students for advanced academic study and/or qualifies them to move more quickly into professional careers that require state certification. The program's advanced clinically-applied curriculum is designed in light of today's rapidly evolving and expanding mental health and addictions treatment settings. Graduates will be exceptionally prepared for either immediate non-certification employment, or for continuing in graduate education.

Students can conveniently pursue the Bachelor of Science on a part-time or a full-time basis in either the on-ground or online format. Completion of this program considerably shortens the process of achieving full state and national certification. Addictions Counseling majors must complete 42 credit hours in Addictions Counseling courses and three elective courses. The program gives students both a strong general foundation and some limited electives to complement specific career goals and interests. Addictions Counseling majors may minor in any discipline; however, they are encouraged to select a minor in Psychology or further study in Social Work.

Associate of Science Degree in Addictions Counseling: The Associate of Science degree is designed to meet the needs of paraprofessionals who wish to enhance employment opportunities by concentrated study of a specific area of addictions or as a beginning for Addiction Counseling professionals. The Associate degree requires at least 24 semester hours from the Addictions Counseling core and two major electives. In addition, students must complete the appropriate 27 credit hours in general education requirements (GERs) and other electives to equal 63 hours. For specific Addiction Counseling core courses, consult the Addictions Counseling advisor.

Certificate in Addictions Counseling: The Certificate, consisting of the same core requirements as stated for the Bachelor of Science degree, is intended for students who have completed or are completing an undergraduate degree in a discipline that interfaces well with additional studies. No academic credit is given for prior professional experience; only credits earned from a regionally accredited institution will be accepted for credit in the certificate program. Admission to the Certificate track is the same as admission into the Bachelor of Science program; GER requirements do not apply to the Certificate program.

Admission to the Addictions Counseling Program: All students, regardless of what option has been chosen, must make a formal application to the program following completion of certain prerequisite courses. The Addictions Counseling Program has an admission procedure designed to screen and attract students who have the attitudes, values, and maturity to work in an often demanding career. See the Coordinator of the Addictions Counseling Program for specific criteria and procedures.

NB: Completion of a Baccalaureate Degree or Certificate in Addictions Counseling does not thereby result in certification as a Certified Alcohol and Drug Counselor (CADC) according to state regulations. However, completion of the degree significantly reduces the number of supervision hours each state requires for such certification. Students should consult the specific state regulations in their home state for exact certification requirements.

B. S. DEGREE WITH A MAJOR IN ADDICTIONS COUNSELING**Required to Graduate:** 128 credit hours**General Education Requirement:** 57 credit hours**Major Subject Requirements:** 42 credit hours

Psy 200	Psychology of Addictions/Introduction to Addictions	3
ADC 230	Addictions and the Family	3
ADC 250	Theories of Addiction	3
ADC 260	Ethics and Professional Responsibility	3
ADC 300	Individual Addiction Counseling – Theory and Practice	3
ADC 310	Group Addiction Counseling – Theory and Practice	3
ADC 320	Behavioral Psychopharmacology	3
ADC 330	Community Prevention – Theory and Practice	3
ADC 340	Crisis and Brief Interventions Counseling	3
ADC 400	Screening, Assessment, and Treatment Planning	3
ADC 410	Case Management and Documentation	3
ADC 420	Recovery and Relapse Prevention – Theory and Practice	3
ADC 440	Field Placement Seminar and Practice I	3
ADC 450	Field Placement Seminar and Practice II	3

Major Subject Electives: 9 credit hours*Select three different special topics courses, each for 3 credit hours*

ADC 425	Special Topics in Addictions Counseling	3
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Related Subject Requirements: 18 credit hours

Bio 100	Introduction to Biology	3
Psy 105	Introduction to Psychology	3
Psy 250	Applied Behavior Analysis	3
Psy 300	Developmental Psychology	3
Psy 350	Abnormal Psychology	3
Mth 250	Statistics for Social Sciences	3

Electives: To total 128 credit hours.**Computer Competency** can be met through IdC 100.**A. S. DEGREE WITH A MAJOR IN ADDICTIONS COUNSELING****Required to Graduate:** 63 credit hours**General Education Requirement:** 27 credit hours**Major Subject Requirement:** 18 credit hours

Six (6) courses from the B.S. Major Subject Requirements must be chosen.

Major Subject Electives: 6 credit hours

Two (2) courses from the B.S. Major Subject Requirements and/or the Major Subject Electives must be chosen.

CERTIFICATE IN ADDICTIONS COUNSELING**Major Subject Requirement:** 42 credit hours

All courses listed above in the Major Subject Requirements for the B.S. must be taken.

ADDICTIONS COUNSELING COURSE DESCRIPTIONS

***Psy 200 [formerly 360] Psychology of Addictions/Intro to Addictions** 3 credit hours

An overview of the analysis of current thinking about the nature, scope, causes, identification, and consequences of various types of addictions – nicotine, alcohol, legal and illegal drugs, gambling, etc. Treatment issues and the use of self-help groups are also covered.

Prerequisites: Psy 105 or permission of instructor.

ADC 230 [formerly 330] Addictions and the Family 3 credit hours

This course introduces the student to individual and group dynamics present within the family in which various addictions exist. Family systems and personality issues are presented and applied to the treatment of the family as a unit. Theoretical and practical aspects of counseling are presented and cover the active phases of addiction and the early stages of recovery. The issue of co-dependent family relationships is also discussed and explored.

Prerequisites: Psy 105 and Psy 200.

ADC 250 Theories of Addiction 3 credit hours

The course is an introductory but thorough examination of the most prominent issues in the study of addictions. The orientations covered include medical, psychological, behavioral, social, and cross-cultural. Also discussed will be a bio-psychosocial conceptualization of addiction. *Prerequisite: Psy 105, Psy 200, or permission of instructor.*

ADC 260 [formerly 350] Ethics and Professional Responsibility 3 credit hours

This course explores the ethical, legal, and behavioral issues facing the counselor and the addictions counselor in particular. State laws are discussed with an emphasis on the distinctions between the legal versus ethical responsibilities of the counselor. Students will also learn about confidentiality rules and regulations; clients' rights and responsibilities; codes of ethics; and avenues for addressing ethical dilemmas or problems that arise in a variety of clinical, supervisory, and consultative settings. *Prerequisites: Psy 200 and ADC 250.*

ADC 300 Individual Addiction Counseling – Theory and Practice 3 credit hours

This course focuses on presenting a general overview of the different theoretical orientations toward individual counseling with an emphasis on the ones used most often in addictions treatment. It also focuses on a skill development component, with opportunities for role playing of hypothetical therapy situations. Students will work on the counseling skills established as the national standards for alcoholism and drug abuse counselors. *Prerequisite: Psy 105, Psy 200, and ADC 250.*

ADC 310 Group Addictions Counseling – Theory and Practice 3 credit hours

An introduction to the theory and practice related to the dynamics of group interaction and the facilitator functions of the counselor. This course emphasizes the management of group processes as a method of behavioral change. Although the theories of group processes are covered, the emphasis is on students participating as both members and facilitators in group process, providing a strong experiential component to this course. *Prerequisite: ADC 250.*

ADC 320 Behavioral Psychopharmacology 3 credit hours

This course emphasizes the specific action and physical and behavioral effects of various psychoactive substances (including alcohol) on the human brain and body. Also covered are the pharmacological and physiological implications: dependence, tolerance, and habituation. The course also focuses on the role of pharmacological therapy as a component of current abuse and addictions treatment. *Prerequisites: Psy 105 and Psy 200.*

ADC 330 [formerly 430] Community Prevention: Theory and Practice 3 credit hours

This course focuses on the different theories, types, and practices of prevention and their associated skills. Students will use existing programs as models and analyze their effectiveness. *Prerequisite: Admission to Addictions Counseling Program.*

ADC 340 Crisis and Brief Interventions Counseling 3 credit hours

Effective crisis and brief interventions counseling skills for use in community-based behavioral/psychiatric health settings are discussed and practiced. Topics discussed and covered include working with violent, disruptive, or suicidal clients; anger and stress management; reframing negative behaviors; goal setting; and teaching targeted coping skills. *Prerequisites: Psy 105, Psy 200, and ADC 250.*

ADC 399 Independent Study in Addictions Counseling 1-3 credit hours

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

ADC 400 Screening, Assessment, and Treatment Planning 3 credit hours

This course covers the application of multi-modal assessments and treatment planning processes utilized within addiction and other mental health settings. Other topics covered include uniform patient placement criteria, co-occurring psychiatric and medical disorders, functional and strengths-based approaches, and outcome measures and documentation. *Prerequisite: Admission to Addictions Counseling Program.*

ADC 410 Case Management and Documentation 3 credit hours

This course focuses on written communication skills utilized as a professional addictions counselor. Students will learn the 12 core functions of their profession, how to use the American Society of Addiction Medicine (ASAM) patient placement criteria, and how to communicate effectively and professionally with third-party payers. Students will also become familiar with the joint commission for the Accreditation of Hospitals (JCAHO) requirements for admissions, treatment planning, and daily charting. Visits to facilities that offer addictions services may be required. *Prerequisite: ADC 400.*

ADC 420 Recovery and Relapse Prevention Methods 3 credit hours

This course surveys theories and methods of preventing relapse and promoting recovery from psychiatric and substance abuse disorders. The topics covered include definition of recovery, high-risk situations, community education, incorporation of spirituality in recovery, and twelve-step programs. *Prerequisite: ADC 410.*

ADC 425 Special Topics in Addictions Counseling 3 credit hours

Special Topics in Addictions Counseling are courses designated to address timely, relevant, and practical topics in Addictions Counseling. *Prerequisites for all: Psy 105, Psy 200, and permission of the instructor.* Examples of topics include, among others:

- Treatment of Dual Diagnosis: A comprehensive description of the problem, evaluation, and treatment planning for persons with substance abuse problems and persistent mental illness.
- Cognitive Behavior Therapy of Addictions: A comprehensive look at cognitive therapy that offers a well-documented and cost-effective model for working with substance abuse disorders and explores the specifics of case formulation and management, and strategies and techniques for working with clients with substance abuse.
- Compulsive Gambling and Other Behavioral Addictions
- Addictive Diseases and Lifestyle Disorders

- Spirituality and Recovery
- Gender Issues in Addiction
- Employee Assistance Program Development
- Program Administration and Supervision
- Addiction and Eating Disorders
- Addictions and the Criminal Justice System
- Alcohol and Tobacco: Drug Education and Prevention

ADC 440 Field Placement Seminar and Practice I *3 credit hours*

This field placement is an opportunity for a student to document at least 100 hours working at an agency directly in the field of addictions. The student functions under agency supervision to gain case management experience that may include working with individuals, couples and/or families, as well as groups. There will also be one-hour weekly supervisory meetings with the faculty supervisor. [NOTE: Those seeking CADC certification must document their hours of supervised field experience. These hours apply to the additional hours required for state/national credentialing.] *Prerequisites: Senior status; admission to Addictions Counseling Program; completion of prerequisite courses.*

ADC 450 Field Placement Seminar and Practice II *3 credit hours*

This field placement experience continues the development of knowledge and skills begun in Field Placement Seminar and Practice I. Focus is on developing more independence and skills in both individual and group counseling. In the seminar, students will demonstrate professional readiness through skills in the areas of the core competencies. *Prerequisite: Successful completion of ADC 440 Field Placement Seminar and Practice I.*

ART

The programs in art offer the student an opportunity to work in a variety of media and to emphasize individual development. The programs are designed to develop, in addition to technical skills, an awareness of the historical and cultural developments in art and an aesthetic and personal approach to technique, composition, and subject matter in selected studio areas. Visiting artists and jurors invited on campus provide exposure to diverse ideas and present different approaches to various media. The Anna Eaton Stout Memorial Art Gallery not only hosts numerous exhibitions throughout the year, but also serves as an educational tool for students and the local community.

Students may choose from the following options:

Bachelor of Arts with a Major in Art (with concentration in one or more of the following areas: Ceramics, Drawing, Painting, Stained Glass, or Printmaking)

Bachelor of Arts with an Area in Art Education (this area in art includes Kentucky teacher certification for P-12).

NB: Students considering a degree in art education are advised that certification will require a program that exceeds the usual 128 credit hours necessary for graduation.

Bachelor of Arts with a Major in Graphic Design (preparation for careers in advertising design, illustration, and computer graphics)

Academic Minor in Art (with Concentration in one of the following: Ceramics, Drawing, Graphic Design, Painting, Printmaking or Stained Glass): Offers students the opportunity to achieve a level of proficiency in a media area of their choice to complement their major.

Students in all degree programs must pass a progress review the fall semester of their sophomore year and the spring semester of their junior year. Students should consult their advisors and the student art handbook regarding scheduling and procedures for reviews. During the last year of the degree program, each student must pass a final review, participate in a Senior Exhibition, and submit a CD or DVD of their work for permanent records. Graduating seniors whose work exhibits a high level of proficiency, creativity, and professionalism will be invited to participate in a Rembrandt Exhibition.

B. A. DEGREE WITH A MAJOR IN ART

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Major Subject Requirements: 42 credit hours

Art 101, 202, 303	Drawing I, II, & III	3, 3, 3
Art 111, 211	Design I & II	3, 3
Art 225	Three-Dimensional Design	3
Art 280	History of Art I	3
Art 281	History of Art II	3
Art 499	Professional Practices Seminar	3

Three (3) three-credit hour courses from each of the following:

Art 240	Ceramics	3
Art 331 <i>OR</i> 335	Painting <i>OR</i> Watercolor	3
Art 350 <i>OR</i> 351	Printmaking I <i>OR</i> Printmaking II	3

Two (2) upper-division art history courses 6

Major Subject Electives: 18 credit hours

Electives: To total 128 credit hours.

Computer Competency is met through IdC 100, Art 315, or Art 317.

B. A. DEGREE WITH A MAJOR IN ART and KENTUCKY TEACHER CERTIFICATION (Certification: Grades P-12)

Required to Graduate: 133 credit hours

General Education Requirement: 57 credit hours

See the GERs for Teacher Education.

Professional Education Requirement: 35 credit hours

Follow the Professional Education Requirement for Art Education in Teacher Education.

Area Subject Requirements: 45 credit hours

Art 101, 202, 303	Drawing I, II, & III	3, 3, 3
Art 111, 211	Design I & II	3, 3
Art 225	Three-Dimensional Design	3

Art 280	History of Art I	3
Art 281	History of Art II	3
Art 370	School Art Methods	3
Art 499	Professional Practices Seminar	3

Choose three (3) three-credit hour courses from each of the following areas:

Art 240	Ceramics I	3
Art 331 OR 335	Painting OR Watercolor	3
Art 350 OR 351	Printmaking I OR Printmaking II	3

Two (2) upper-division art history courses 6

Area Subject Elective: Upper-division three-credit hour course **3 credit hours**

Electives: To total 133 credit hours

Computer Competency is met through Edu 246.

ACADEMIC MINOR IN ART (Concentration in Ceramics, Drawing, Graphic Design, Painting, Printmaking, OR Stained Glass)

Total Minor Requirements: **21 credit hours**

Core Art Minor Requirements: **12 credit hours**

Art 101	Drawing I	3
Art 211	Design II	3
<i>(Students Minorng in Ceramics — substitute Art 225: 3-D Design)</i>		
Art 280 OR 281	History of Art I OR History of Art II	3
Art 3xx/4xx	Upper Division Art History	3

Concentration Requirements (choose from the following): **9 credit hours**

Concentration in Ceramics

Art 240	Ceramics I	3
Art 340	Ceramics II	3
Art 440	Ceramics III	3

Concentration in Drawing

Art 202	Drawing II	3
Art 303	Drawing III	3
Art 402	Special Problems in Drawing	3

Concentration in Graphic Design

Art 210	Graphic Design I	3
Art 315	Computer Graphics I	3
Art 317	Computer Graphics II	3

Concentration in Painting

Art 331	Painting	3
Art 431	Advanced Painting	3
Art 432 OR 335	Special Problems/Painting OR Watercolor	3

Concentration in Printmaking

Art 350	Printmaking I	3
Art 351	Printmaking II	3
Art 455	Special Problems/Printmaking	3

Concentration in Stained Glass

Art 345	Stained Glass	3
Art 346	Advanced Stained Glass	3

ART COURSE DESCRIPTIONS

* GER Approved Course

***Art 101 Drawing I**

3 credit hours

A fundamental course that stresses the development of visual awareness and sensitivity to various drawing materials. Basic principles of perspective, proportion, and value are introduced.

***Art 111 Design I**

3 credit hours

A foundation course with specific emphasis on design principles and elements relative to a basic understanding of visual composition.

***Art 160 Basic Photography I**

3 credit hours

A basic course in the photographic medium: cameras, light-sensitive materials, and processing and printing. Lecture and studio.

***Art 171, 172, 173, 174, 175 International Film, Movies, Ethics**

1 credit hour

This course involves watching a variety of international films with the expectation that experiencing them will broaden the student's understanding of reality and of her/his potential. Also involved is each student creating a visual story document that could be an animation or digital film with a content demand that is self-referential and self-exploratory.

***Art 180 Art Appreciation**

3 credit hours

For students interested in an understanding and appreciation of the visual arts in contemporary life and culture. The formal and expressive qualities of major art forms are examined through audio-visual aids, lectures, and presentations in an effort to provide deeper understanding of cross-cultural and international issues. **NOT OPEN TO ART MAJORS.**

***Art 202 Drawing II**

3 credit hours

A course designed to acquaint the student with a variety of drawing media and techniques. An emphasis is placed on the principles of value and composition. *Prerequisites: Art 101 and 111.*

Art 210 Graphic Design I

3 credit hours

An introduction to basic graphic design principles. The fundamentals of layout, typography, and graphic communication theory are explored with an emphasis on practical applications. *Prerequisites: Art 202 and 211.*

Art 211 Design II

3 credit hours

Studio exploration and experiences in the elements of design with emphasis on color theory. Experimentation with interactions of colors in visual organizations.

***Art 212 Calligraphy**

3 credit hours

A study of the various letter forms, uses, and techniques.

***Art 225 Three-Dimensional Design**

3 credit hours

An introduction to design as it relates to three-dimensional space. Basic sculptural concepts and processes are addressed. *Prerequisites: Art 101 and 111.*

Art 240 Ceramics I3 credit hours*

An introduction to technical and creative ceramic processes. Basic construction techniques, hand-building, and wheel throwing are taught. Functional and sculptural approaches as well as several glazing and firing systems will be emphasized.

Art 260 Advanced Photography*3 credit hours*

Investigation and experimentation in the major areas of expression in photography: portraiture, illustration, and techniques for architectural, scientific, journalistic, and creative photography. Black/white film and printing materials. *Prerequisite: Art 160 or advanced status (with portfolio).*

Art 280 History of Art I3 credit hours*

Survey of art from pre-history to the Renaissance. Lectures and discussion.

Art 281 History of Art II3 credit hours*

Survey of art from the Renaissance to the modern world. Lectures and discussion.

Art 303 Drawing III (Anatomy/Figure Drawing)*3 credit hours*

This advanced-level drawing course will consist primarily of work with the human figure and related skeletal structure. Basic human proportion and anatomy, foreshortening, and creative approaches to the human figure will be included. *Prerequisite: Art 202 or permission of instructor.*

Art 315 Computer Graphics I*3 credit hours*

An applied approach to the use of the computer and graphics software. Emphasis is placed on developing layout, typography, production, and desktop publishing skills useful to writing, technical, journalistic, and creative majors. *Prerequisite: Art major or permission of instructor.*

Art 316 Graphic Design II*3 credit hours*

A study and application of the tools and processes used in preparing a design for publication. Emphasis is placed on development of layout skill and software coordination. *Prerequisite: Art 315.*

Art 317 Computer Graphics II*3 credit hours*

Exploration and usage of illustration and production software to create effective graphics within an internet environment. Emphasis is placed on creative and practical applications in creating supportive website documents and to website development and hosting. *Prerequisite: Art major or permission of instructor.*

Art 318 History of Graphic Design*3 credit hours*

This course explores the origins and the evolution of graphic design from ancient civilizations to contemporary approaches and emerging technologies. Movements, styles, designs, and designers influencing the ongoing growth of the discipline will be investigated. *Prerequisite: Art 180 or permission of instructor.*

Art 331 Painting*3 credit hours*

A fundamental course in painting designed to introduce the student to the basic techniques and processes of oil painting, with emphasis on creative expression and compositional design. *Prerequisites: Art 202 and 211.*

Art 335 Watercolor 3 credit hours

A fundamental course in watercolor painting designed to introduce students to the varied materials, tools, and methods of watercolor painting with special attention to its unique characteristics as a painting medium.

Prerequisites: Art 202 and 211.

***Art 340 Ceramics II** 3 credit hours

A continuation of Art 240. Builds on the skill and experience gained in hand-building and wheel-throwing techniques. More in-depth study of surface decoration, glazing, and characteristics of glaze materials. *Prerequisite: Art 240.*

Art 345 Stained Glass 3 credit hours

A basic course in the design and construction of stained glass that includes both copper foil and lead came techniques. *Prerequisites: Art 202 and 211.*

Art 346 Advanced Stained Glass 3 credit hours

A continuation of Art 345. The course allows the student to build on the skill and experience gained in the foil technique and focuses on the use of lead came for larger projects.

Prerequisite: Art 345 or permission of instructor.

Art 350 Printmaking I 3 credit hours

Basic techniques employed in intaglio and relief printing. Experimentation with linoleum block, collagraph, woodcut, and embossing. *Prerequisites: Art 101 and 111.*

Art 351 Printmaking II 3 credit hours

A course in the basic procedures and processes of silkscreen printing. *Prerequisites: Art 101 and 111.*

***Art 370 School Art Methods** 3 credit hours

An introduction to the elements and principles of art as they pertain to an integrated classroom that meets the Academic Expectations and Standards outlined in the Kentucky Program of Studies. Includes overview of art education as well as the competing philosophies throughout its history. Students will also construct and implement lessons in a holistic approach to art education in their area of study: elementary, secondary, or special education.

***Art 380 Renaissance Art** 3 credit hours

The principal artistic developments in European art during the 15th and 16th centuries. *Prerequisites: Art 180, 281, or permission of instructor.*

***Art 382 History and Art of Cinema** 3 credit hours

A course designed for students seeking greater understanding of the medium, history, and appreciation of the motion picture or film. American and foreign films are presented in this cross-cultural and international experience. *Prerequisites: Art 180, 280, and 281; or permission of instructor.*

***Art 384 The Art of Impressionism** 3 credit hours

A course that examines the development of impressionistic painting and its impact on the modern art period. The course covers the contributing factors of the Barbizon school of *plein aire* paintings, the introduction of the Japanese print, and European art and related movements. *Prerequisite: Art 180 or permission of instructor.*

***Art 386 History of Religious Imagery in Western Art** 3 credit hours

The course is an examination of the origins and migration of religious icons and imagery found in Western European art. Major themes, motifs, and symbols will be identified and researched in an attempt to discern their meaning, development, and points of origin. *Prerequisites: Art 280 and 281, or permission of instructor.*

Art 399 Independent Study 1-4 credit hours

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Art 402 Special Problems in Drawing 3 credit hours

Independent drawing problems designed to meet the needs and directions of the advanced drawing student. Subject matter may include representational, abstract, or non-objective imagery. *Prerequisite: Art 303 and/or permission of instructor.*

Art 414 Graphic Design III 3 credit hours

An emphasis is placed on development of student portfolios through various advanced projects and practical applications. *Prerequisites: Art 210 and 316.*

Art 418 Special Problems in Graphic Design 3 credit hours

A course designed for advanced students to explore designated areas and problems in graphics. *Prerequisite: Art 414.*

***Art 419 Digital Animation** 3 credit hours

This course teaches students how to create cell animations, animation movies, and shorts. Traditional frame-by-frame animation techniques are employed as well as digital effects to create visual and audio-synccopated animations. This course primarily utilizes software such as Macromedia Flash®.

Art 431 Advanced Painting 3 credit hours

A course for the advanced painting student designed to develop technical command of the medium and individual expression. *Prerequisite: Art 331 or permission of instructor.*

Art 432 Special Problems in Painting 3 credit hours

Courses for advanced students who have completed all of the previous painting classes and wish to pursue the area further. *Prerequisite: Art 431 or permission of instructor.*

Art 440 Ceramics III 3 credit hours

An in-depth experience in pottery construction and design. Preparation and application of glazes, kiln construction, and exploration of various firing techniques are integral parts of this course. *Prerequisite: Art 340.*

Art 445 Special Problems in Stained Glass 3 credit hours

A course designed for the advanced stained glass student, tailored to meet the individual needs and direction of each student. Greater emphasis is placed on aesthetics and creative solutions to designated problems. *Prerequisite: Art 346 or permission of instructor.*

Art 448 Special Problems in Advanced Ceramics I 3 credit hours

Tailored to meet the individual needs and direction of each student. Greater emphasis is placed on aesthetics and innovative solutions to designated problems. *Prerequisite: Permission of the instructor.*

Art 449 Special Problems in Advanced Ceramics II 3 credit hours
Tailored to meet the individual needs and direction of each student. Greater emphasis is placed on aesthetics and innovative solutions to designated problems. *Prerequisite: Permission of instructor.*

Art 454 Special Problems in Printmaking I 3 credit hours
Course designed for the advanced printmaking student to permit investigations into additional processes of silkscreen printing processes and imagery. *Prerequisites: Art 350 and permission of instructor.*

Art 455 Special Problems in Printmaking II 3 credit hours
Course designed for the advanced printmaking student to permit investigations into additional processes of silkscreen printing processes and imagery. *Prerequisites: Art 351 and permission of instructor.*

***Art 480 American Art** 3 credit hours
A survey of contemporary American art from 1940 to the current day. *Prerequisites: Art 180, 281, or permission of instructor.*

***Art 481 Modern Art** 3 credit hours
A survey course that studies the origins of modern art in the 19th century and the major art movements of the 20th century. Painting, sculpture, and architecture of Western Europe and the Americas will be emphasized. *Prerequisite: Art 281 or permission of instructor.*

Art 495 Internship 3-9 credit hours
A course designed to offer students the unique opportunity to receive training and valuable work experience in a graphics-related business prior to graduation. *Prerequisites: Art 316 and permission of faculty advisor.*

Art 499 Professional Practices Seminar 3 credit hours
Course's intent is to introduce art majors to skills and practices that are required for entering the art world as a practicing professional and/or preparation for continuing with graduate study. *Prerequisite: Senior art student.*

BIOCHEMISTRY

The major rests on a solid foundation of chemistry and biology courses supported by mathematics and physics. These courses provide the tools to understand the chemistry of living things. During the first two years, the biochemistry student takes basic inorganic and organic chemistry and introduction to cellular biology. A second biology course allows the student to choose between anatomy and physiology (important for the pre-health professional) and genetics. Biochemistry courses bridge chemical and biological concepts. Upper division courses will be chosen by the student based on student interest. Individual students may choose a chemistry emphasis and complete advanced chemistry courses, a biological emphasis including advanced cell biology and molecular biology, or a mathematics emphasis with upper division math and computer science courses. Allowing the student to choose from a menu of upper division courses meets the goal of a flexible major that can be tailored to the student's academic and professional interests.

B. S. DEGREE WITH A MAJOR IN BIOCHEMISTRY

For *Catalog* descriptions of Chemistry and Biology courses required for this major, see

each separate program below.

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Major Subject Requirements: 39 credit hours

Chm 205	Quantitative Analysis <i>and</i>	3
Chm 205L	Quantitative Analysis Lab [<i>plus prerequisites</i>]	1
Chm 301	Organic Chemistry I <i>and</i>	3
Chm 301L	Organic Chemistry I Lab	1
Chm 302	Organic Chemistry II <i>and</i>	3
Chm 302L	Organic Chemistry II Lab	1
Chm 409	Biochemistry I <i>and</i>	3
Chm 409L	Biochemistry I Lab	1
Chm 410	Biochemistry II <i>and</i>	3
Chm 410L	Biochemistry II Lab	1
Bio 115	Molecular and Cellular Biology <i>and</i>	3
Bio 115L	Molecular and Cellular Biology Lab	1
Bio 201	Human Anatomy and Physiology <i>and</i>	(3)
Bio 201L	Human Anatomy and Physiology Lab	(1)
OR		
Bio 300	Genetics <i>and</i>	(3)
Bio 300L	Genetics Lab	(1)
Chm/Bio 405	Directed Research	2
Chm/Bio 499	Seminar	1
Upper Division Electives		8

Related Subject Requirements: 16 credit hours

Mth 211	Calculus I	4
Mth 212	Calculus II	4
Phs 201	General Physics I <i>and</i>	3
Phs 201L	General Physics I Lab	1
Phs 202	General Physics II <i>and</i>	3
Phs 202L	General Physics II Lab	1

Electives: To total 128 credit hours.

Computer Competency is met through Chm/Bio 499.

BIOLOGY

The Biology, Medical Technology, and Pre-Health Professional Programs at Brescia University provide students with the knowledge, skills, and values required for success in a wide variety of careers related to the biological sciences. The B.S. Degree in Biology prepares students for graduate school, medical/allied health professional schools, or for careers in teaching, biotechnology, industrial laboratories, or environmental work. (See Medical Technology at the end of Biology.) Within the general framework of the biology degree, and in addition to the required biology, math, and other science courses, a student may choose from one of three focus areas: organismal biology, molecular/cellular biology, or pre-health professional; or create an individualized program to meet special interests.

The pre-health professional focus within the major meets the needs of students in pre-medicine, pre-veterinary medicine, pre-podiatric medicine, pre-optometry, pre-pharmacy,

pre-dental, or pre-physical therapy. Admission to these health professional or graduate programs typically requires the Bachelor of Science degree with a major in biology. The Associate degree prepares students for application into nursing school. A student in any allied health degree program works in close consultation with a pre-professional advisor to tailor a curricular course plan at Brescia to satisfy admission requirements for specific professional schools.

B. S. DEGREE WITH A MAJOR IN BIOLOGY

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Major Subject Requirements: **21 credit hours**

Bio 105	Ecology and Evolution <i>and</i>	3
Bio 105L	Ecology and Evolution Lab	1
Bio 115	Molecular and Cellular Biology <i>and</i>	3
Bio 115L	Molecular and Cellular Biology Lab	1
Bio 201	Human Anatomy and Physiology <i>and</i>	3
Bio 201L	Human Anatomy and Physiology Lab	1
Bio 215	Biological Diversity <i>and</i>	3
Bio 215L	Biological Diversity Lab	1
Bio 300	Genetics <i>and</i>	3
Bio 300L	Genetics Lab	1
Bio 499	Biology Seminar	1

Major Subject Electives: **16 credit hours**

Choose from these upper-division courses:

Bio 301	Developmental Biology <i>and</i>	(3)
Bio 301L	Developmental Biology Lab	(1)
Bio 305	Advanced Anatomy and Physiology <i>and</i>	(3)
Bio 305	Advanced Anatomy and Physiology Lab	(1)
Bio 311	Microbiology <i>and</i>	(3)
Bio 311L	Microbiology Lab	(1)
Bio 321	Reading List	(1-3)
Bio 325	Ecology <i>and</i>	(3)
Bio 325L	Ecology Lab	(1)
Bio 330	Immunology	(3)
Bio 399	Independent Study	(4)
Bio 401	Advanced Cell Biology <i>and</i>	(3)
Bio 401L	Advanced Cell Biology Lab	(1)
Bio 403	Special Topics	(1-4)
Bio 417	Molecular Biology <i>and</i>	(3)
Bio 417L	Molecular Biology Lab	(1)
Bio 425	Marine Biology <i>and</i>	(3)
Bio 425L	Marine Biology Lab	(1)
Bio 405	Directed Research	(3)
Chm 409	Biochemistry I <i>and</i>	(3)
Chm 409L	Biochemistry I Lab	(1)
Chm 410	Biochemistry II <i>and</i>	(3)
Chm 410L	Biochemistry II Lab	(1)

Related Subject Requirements: **24 credit hours**

Chm 301	Organic Chemistry I <i>and</i>	3
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Chm 301L	Organic Chemistry I Lab	1
Chm 302	Organic Chemistry II <i>and</i>	3
Chm 302L	Organic Chemistry II Lab	1
PhS 201	General Physics I <i>and</i>	3
PhS 201L	General Physics I Lab	1
PhS 202	General Physics II <i>and</i>	3
PhS 202L	General Physics II Lab	1
Mth 211	Calculus I <i>and</i>	4
Mth 212	Calculus II or approved substitute	4

Electives:

To total 128 credit hours.

Computer Competency is met through Bio 499.**ACADEMIC MINOR IN BIOLOGY****Biology and Math Requirements:****32 credit hours**

Bio 105	Ecology and Evolution <i>and</i>	3
Bio 105L	Ecology and Evolution Lab	1
Bio 115	Molecular and Cellular Biology <i>and</i>	3
Bio 115L	Molecular and Cellular Biology Lab	1
Bio 201	Human Anatomy and Physiology <i>and</i>	3
Bio 201L	Human Anatomy and Physiology Lab	1
Bio 215	Biological Diversity <i>and</i>	3
Bio 215L	Biological Diversity Lab	1
Bio 300	Genetics <i>and</i>	3
Bio 300L	Genetics Lab	1
Elective from upper-division biology courses		4
Mth 211	Calculus I <i>and</i>	4
Mth 212	Calculus II <i>OR</i> approved substitute	4

MEDICAL TECHNOLOGY**B. S. DEGREE WITH A MAJOR IN MEDICAL TECHNOLOGY****Required to Graduate:****128 credit hours****General Education Requirement:****57 credit hours****Major Subject Requirements:****19 credit hours**

Bio 115	Molecular and Cellular Biology	3
Bio 115L	Molecular and Cellular Biology Lab	1
Bio 201	Human Anatomy and Physiology I	3
Bio 201L	Human Anatomy and Physiology I Lab	1
Bio 305	Advanced Anatomy and Physiology	3
Bio 305L	Advanced Anatomy and Physiology Lab	1
Bio 311	Microbiology	3
Bio 311L	Microbiology Lab	1
Bio 330	Immunology	3

Related Subject Requirements:**19 credit hours****Mathematics:****3 credit hours**

Mth 250	Statistics for Social Sciences <i>OR</i> approved substitute	3
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Chemistry:**16 credit hours**

Chm 101	General Chemistry I	3
Chm 101L	General Chemistry I Lab	1
Chm 102	General Chemistry II	3
Chm 102L	General Chemistry II Lab	1
Chm 301	Organic Chemistry I	3
Chm 301L	Organic Chemistry I Lab	1
Chm 302	Organic Chemistry II	3
Chm 302L	Organic Chemistry II Lab	1

Computer Competency is met through CS 108 and IdC 100.

Recommended: Genetics, Histology, Quantitative Analysis, General Physics.

Internship: **36 hours**

At the end of the junior year, the student is expected to have earned a total of ninety-two credit hours with a minimum GPA of 3.0. A twelve-month internship is then taken in the laboratory of an approved hospital; a maximum of thirty internship credit hours are accepted by the University and applied toward the major. Brescia University is affiliated with Owensboro Medical Health System, Owensboro, Ky.; and with the University of Louisville, whose affiliations include Jewish Hospital, Norton-Kosair-Children's Hospital, St. Anthony's Hospital, Humana Hospital University, and the Veterans Administration Medical Center, Louisville, Ky. The internship does not count as resident credit.

ASSOCIATE OF SCIENCE IN HEALTH SCIENCES

The Associate degree in Health Sciences encompasses the courses identified as prerequisites for admission into the University of Louisville's School of Nursing; the degree enables students to be competitive in seeking admission into the U of L program. The combination of general education and science courses is not a pre-nursing degree and does not result in automatic admittance into any nursing school. The degree simply provides a public acknowledgment that students have successfully completed prerequisite courses.

Required to Graduate: **65 credit hours**

General Education Requirements: **30 credit hours**

Eng 101	Writing I	3
Eng 102	Writing II	3
Sph 110	Public Speaking	3
Th 219	World Religions	3
Bio 115	Molecular Cell Biology	3
Art 180, 280, 281, OR Drm 141		
Art Appreciation, History of Art I <i>or</i> II, OR		
Theatre Appreciation		3
Soc 204, Soc 325, SW 280, SW 301, SW 302, OR SW 310		
Principles of Sociology, Medical Sociology, Intro to		
Social Work, Human Behavior in the Social		
Environment I <i>or</i> II, OR Social Issues in Diversity		
		6
His 101 <i>or</i> 102; Eng 201 <i>or</i> 202 OR 204; OR Phl 103		
Survey of World Civilization I <i>or</i> II; Intro to Fiction,		
Poetry, <i>or</i> Literature; OR Intro to Philosophy		6

***Major Subject Requirements:** **14 credit hours**

Bio 112	Human Nutrition	3
Bio 201	Anatomy and Physiology	3

Bio 201L	Anatomy and Physiology Lab	1
Bio 305	Advanced Anatomy and Physiology	3
Bio 311	Microbiology	3
Bio 311L	Microbiology Lab	1

***Related Subject Requirements: 21 credit hours**

Psy 105	Intro to Psychology	3
Psy 300	Developmental Psychology	3
Mth 111, 112, 113, OR 211	College Algebra & Trig I or II, Survey of Calculus, OR Calculus I	3
Mth 250	Statistics for Social Sciences	3
Chm 100	Intro to Chemistry	3
Phl 110	Applied Logic	3
Phl 231 OR 347	Ethics and Morality OR Ethics of Health Care	3

*Specialization courses include those required by the University of Louisville's School of Nursing as prerequisites for their program.

BIOLOGY COURSE DESCRIPTIONS

*GER Approved Course

***Bio 100 Introduction to Biology** *3 credit hours*

Basic principles of biological science with special emphasis on human biology. Selected topics of current interest and laboratory experiences are included. **NOT OPEN TO BIOLOGY MAJORS.**

***Bio 105 Ecology and Evolution** *3 credit hours*

An introduction to the scientific process, evolutionary theory, speciation, elementary genetics, and the ecology of populations, communities, and ecosystems.

***Bio 105L Ecology and Evolution Lab** *1 credit hour*

Generally taken with Bio 105 – Ecology and Evolution.

***Bio 110 Introduction to Environmental Science** *3 credit hours*

Basic ecological concepts and the physical/biological principles underlying environmental issues; deals with topics such as population, pollution, resources; discusses the historical, cultural, geographical, economic, and behavioral roots of environmental problems; models how to take personal and political action on behalf of the environment. **NOT OPEN TO BIOLOGY MAJORS**

***Bio 112 Introduction to Human Nutrition** *3 credit hours*

Nutrition is the science of food. Students will be introduced to the six classes of nutrients, how the body utilizes the nutrients, and the role that good nutrition plays in good health. Other topics such as the impact of poor or under-nutrition during important stages of human development or the specialized dietary requirements for athletes may also be included. *Prerequisite: Ability to do simple math, including percentages.*

***Bio 115 Molecular and Cellular Biology** *3 credit hours*

An introduction to the study of life at the molecular and cellular level, this course covers basic cell structure and function, biochemistry for the life sciences, basic molecular biology.

gy, and introductory genetics, including information flow from DNA to protein; and cellular utilization of energy, including cell respiration and photosynthesis.

***Bio 115L Molecular and Cellular Biology Lab** *1 credit hour*
Generally taken with Bio 115 – Molecular and Cellular Biology.

Bio 120 Medical Terminology *3 credit hours*
This course examines the specialized vocabulary used in medicine and science. By understanding root elements to which prefixes and suffixes are added, the student will be able to construct and analyze unfamiliar words to uncover their meanings.

Bio 201 Human Anatomy and Physiology *3 credit hours*
An integrated study of human anatomy and physiology for biology and pre-professional allied health majors, using a body systems approach emphasizing interrelationships between form and function at gross and microscopic levels of organization. Course content includes basic anatomical and directional terminology; fundamental concepts and principles of cell biology; and study of major body systems, including skeletal, muscular, nervous, circulatory, endocrine, immune, and reproductive systems. *Prerequisites: Bio 115 and Chm 102 OR Chm 100 required.*

Bio 201L Human Anatomy and Physiology Lab *1 credit hour*
Generally taken with Bio 201 – Human Anatomy and Physiology. Includes fundamental concepts and principles of anatomy and physiology from investigation of cell, tissue, and organ levels of several body systems, with special emphasis on skeletal, muscular, nervous, and circulatory systems. A large portion of the semester will focus on cat anatomy.

***Bio 215 Biological Diversity** *3 credit hours*
An introduction to the study of life at the organismal level that includes a survey of life in all six kingdoms, with emphasis on plants and animals, as well as a study of comparative structures and functions. *Prerequisite: Bio 105.*

***Bio 215L Biological Diversity Lab** *1 credit hour*
Generally taken with Bio 215 – Biological Diversity.

***Bio 300 Genetics** *3 credit hours*
General principles and problems of heredity surveying transmission genetics, cytogenetics, molecular genetics, and population genetics. *Prerequisites: Bio 115; ability to use algebra or statistical analysis.*

***Bio 300L Genetics Lab** *1 credit hour*
Generally taken with Bio 300 – Genetics.

***Bio 301 Developmental Biology [formerly Embryology]** *3 credit hours*
Molecular and cellular basis for differentiation and morphological changes occurring during development. Model systems are used for insight into vertebrate development. *Prerequisites: Bio 215 and Bio 300.*

***Bio 301L Developmental Biology Lab [formerly Embryology Lab]** *1 credit hour*
Generally taken with Bio 301 – Developmental Biology

Bio 305 Advanced Anatomy and Physiology *3 credit hours*
Exploration of fundamental topics in mammalian anatomy and physiology as a basis of

human disease. Uses a case study approach to integrate current primary literature and application of diagnostic medical procedures. *Prerequisites: Bio 201 and Chm 302; may take Chm 302 concurrently.*

Bio 305L Advanced Anatomy and Physiology Lab *1 credit hour*
Generally taken with Bio 305 – Advanced Anatomy and Physiology.

Bio 311 Microbiology *3 credit hours*
Study of basic concepts of microbial biology, including cell morphology, biochemistry, genetics, taxonomy, and ecology. Emphasis is on prokaryote growth/metabolism, culture, isolation, identification, and medical application in disease. *Prerequisites: Bio 115, 201; Chm 301 recommended.*

Bio 311L Microbiology Lab *1 credit hour*
Generally taken with Bio 311 – Microbiology. Covers the basic fundamentals of microbial sterile technique and axenic culture, with emphasis on microscopic, staining, and metabolic diagnostic tests for identification of prokaryotes.

Bio 312 Parasitology *3 credit hours*
This course is an introduction to parasites, with a focus on human parasites and the animal parasites of economic importance. The biology of significant protozoans, helminthes, and arthropods will be discussed, and their cell biology, life cycles, host-parasite relationships, epidemiology, and control will be emphasized. *Prerequisite: Bio 201 recommended.*

Bio 321 Reading List *1-3 credit hours*
Reports or discussions of topical fundamentals in which the student is deficient, and/or readings in classical or special interest biology literature.

***Bio 325 Ecology** *3 credit hours*
Study of how plants and animals interact with each other and with their environment; includes selected topics related to environmental problems such as pollution, energy, resources, and population. *Prerequisite: Bio 105.*

***Bio 325L Ecology Lab** *1 credit hour*
Generally taken with Bio 325 – Ecology.

Bio 330 Immunology *3 credit hours*
The biological basis for understanding of the molecular and cellular features of the mammalian immune system. Includes study of role of non-specific (innate) and specific (adaptive) systems in providing immunity to disease, and the topics of hypersensitivity, immunodeficiency diseases, autoimmunity, vaccination, and transplant rejection. *Prerequisites: Bio 201 and Chm 302 (Chm 302 may be taken concurrently); Bio 311 recommended.*

Bio 399 Independent Study *1-4 credit hours*
This course designates a field of study that is not part of the regular curriculum; it is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Bio 401 Advanced Cell Biology *3 credit hours*
Detailed study of the cell as the basic unit of life, focusing on the interplay of biochemistry and genetics in regulation of eukaryotic cell processes. *Prerequisites: Bio 115, 201; Chm 301 and 302.*

Bio 401L Advanced Cell Biology Lab*1 credit hour*

Generally taken with Bio 401 – Advanced Cell Biology.

Bio 403 Special Topics*1-4 credit hours*

Various topics may be chosen by special arrangement with a faculty mentor. Examples of possible topics include advanced botany, evolution, histology, micro-technique, and vertebrate zoology.

Bio 405 Directed Research*1-3 credit hours*Directed laboratory/library projects for senior biology majors of demonstrated superior ability. *Admission by recommendation only.***Bio 417 Molecular Biology***1-4 credit hours*Current molecular biology topics. Emphasis is on the function of the genetic material and consequences of altered function on gene products and on familiarization with common molecular biological techniques that will be encountered by students in graduate school or medical research. *Prerequisites: Bio 300; Chm 301 and 302.***Bio 417L Molecular Biology Lab***1 credit hour*

Generally taken with Bio 417 – Molecular Biology.

Bio 425 Marine Biology*3 credit hours*

Introduction to marine ecosystems and their physical/chemical/biological properties; survey of marine plants and animals and their structural/functional adaptations; study of the effects of human intervention in the marine environment. Lab includes a required one-week trip.

Bio 425L Marine Biology Lab*1 credit hour*

Chemical and physical properties of the ocean, invertebrate and vertebrate animals, phytoplankton and plants. Includes a mandatory one-week trip to marine ecosystems in Florida.

Bio 499 Biology Seminar*1 credit hour*A capstone course whose content varies according to student need/interest. May include student research, comprehensive review of the discipline, presentation of library research papers, visiting lecturers, field trip, or study of special topics. *Prerequisite: Senior status.***BUSINESS**

Academic programs in the William H. Thompson School of Business are designed to prepare students with the knowledge, skills, and abilities for responsible citizenship and leadership roles in ever-changing business and society. Performance expectations are high for both students in the programs and for graduates in their careers.

The School concentrates its undergraduate professional courses in the last two years of the four-year degree program. A major component of program design is to provide a broad educational base through substantial general education and through a common body of business knowledge. The student's major area of study provides competency in a specific field. The faculty continually monitor courses and curricula to assure a timely fit of competencies and skills to professional performance demands.

The School of Business encourages students to acquire practical experience. Internships are readily available with many local companies, allowing qualified students the opportunity to

receive up to nine hours of academic credit in a semester as they gain valuable experience in their major, often receiving compensation as well. Additionally, students may receive academic credit for their research/service work in the community.

Other activities include opportunities to join student clubs and organizations. The School has a student chapter of the Society for Human Resource Management (SHRM), and several students typically attend each meeting of the Owensboro chapter of SHRM. Field trips and guest lectures are also arranged by faculty members and student organizations.

The School of Business offers the Bachelor of Science degrees in Accounting and in Business. Areas of emphasis available in the Bachelor of Science degrees in Business include Finance and Economics, Human Resource Management, and Management.

Brescia University offers an Associate of Science degree in Business. Credit hours earned by this degree can be applied later to a Brescia Bachelor's degree in the business area. The School also offers the Bachelor of Science and the Associate of Science degrees in Business through BUonline. In addition, a Master of Business Administration graduate program is offered in the weekend (Saturday) format, and an online Master of Science in Management is also available (see pp. 179–187).

Minors are offered in Accounting, Business, and Finance/Economics for students not registered in the School. A Certificate program is offered in Accounting and is designed principally for persons who have already completed a Bachelor's degree in another field.

B. S. DEGREE WITH A MAJOR IN ACCOUNTING

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Including Mth 111 and Mth 113, *OR* Mth 211 and 212 if appropriate
(based on high school transcript and ACT/SAT scores); and Eco 201

Major Subject Requirements: 33 credit hours

Acc 201	Principles of Accounting I	3
Acc 202	Principles of Accounting II	3
BAd 103	Introduction to Software Applications (or CS 107, 108, and 109)	3
BAd 301	Business Law	3
BAd 318	Business Statistics	3
BAd 405	Management Information Systems	3
BAd 499	Business Policy	3
Eco 202	Economic Concepts II	3
Fin 308	Financial Concepts	3
Mgt 306	Management Concepts	3
Mkt 307	Marketing Concepts	3

Accounting Requirements: 15 credit hours

Acc 301	Intermediate Accounting I	3
Acc 302	Intermediate Accounting II	3
Acc 304	Advanced Managerial Accounting	3
Acc 401	Advanced Accounting	3
Acc 406	Federal Entity Taxation	3

[Acc 404 Federal Individual Tax may be substituted for Acc 406]

Electives: To total 128 credit hours

Note: The following three accounting courses are also needed to reach the 27-hour requirement to sit for the Certified Public Accounting Examination:

Acc 402	Governmental and Nonprofit Accounting	3
Acc 404	Federal Individual Taxation	3
Acc 410	Auditing	3

Computer Competency is met through BAd 103 **OR** CS 107, 108, and 109.

For accounting students desiring to complete an area of emphasis, requirements are listed under the Bachelor of Science degree with a major in Business.

B. S. DEGREE WITH A MAJOR IN BUSINESS

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Including 6 hours of Math: Mth 111 and Mth 113, **OR** Mth 211 and 212, **OR** Mth 213, 305, or 308 if appropriate; and Eco 201

Major Subject Requirements: 33 credit hours

Acc 201	Principles of Accounting I	3
Acc 202	Principles of Accounting II	3
BAd 103	Introduction to Software Applications (or CS 107, 108, and 109)	3
BAd 301	Business Law	3
BAd 318	Business Statistics	3
BAd 405	Management Information Systems	3
BAd 499	Business Policy	3
Eco 202	Economic Concepts II	3
Fin 308	Financial Concepts	3
Mgt 306	Management Concepts	3
Mkt 307	Marketing Concepts	3

Major Subject Electives: 9 credit hours

*Chosen from any or all areas of business in consultation with the academic advisor. (Courses in mathematics, computer studies, and business ethics are generally acceptable as business electives), **OR** one area of emphasis as below.*

Free Electives: To total 128 credit hours

Students may choose in consultation with their advisor other business or non-business courses; students are encouraged to select courses from different disciplines when choosing their free electives.

Computer Competency is met through BAd 103 **OR** CS 107, 108, and 109.

EMPHASIS IN FINANCE AND ECONOMICS

Finance and Economics Requirements: 15 credit hours

Eco 304	Intermediate Microeconomics	3
Eco 307	Money and Banking	3
Eco 418	Mathematical Methods in Economics	3
Fin 314	Managerial Finance	3
Fin 401	Investments/Derivatives	3

Related Subject Requirement:**6 credit hours**

To be chosen from 300- and 400-level courses from accounting or business in consultation with the academic advisor.

Computer Competency is met through BAd 103 or CS 107, 108, and 109.

EMPHASIS IN HUMAN RESOURCE MANAGEMENT**Human Resource Management Requirements:****12 credit hours**

Mgt 308	Organizational Behavior	3
Mgt 315	Personnel/Human Resource Management	3
Mgt 411	Labor-Management Relations	3
Mgt 420	Seminar in Human Resource Management	3

Related Subject Requirement:**9 credit hours**

To be chosen from 300- and 400-level courses from accounting and business in consultation with academic advisor.

Computer Competency is met through BAd 103 or CS 107, 108, and 109.

EMPHASIS IN MANAGEMENT**Management Requirements:****15 credit hours**

Acc 304	Advanced Managerial Accounting	3
Eco 304	Intermediate Economics	3
Fin 314	Managerial Finance	3
Mgt 308	Organizational Behavior	3
Mgt 403	Marketing Management	3

Related Subject Requirement:**6 credit hours**

To be chosen from 300- and 400-level courses from accounting or business in consultation with the academic advisor.

Computer Competency is met through BAd 103 **OR** CS 107, 108, and 109.

A. S. DEGREE WITH A MAJOR IN BUSINESS**Required to Graduate:****63 credit hours****General Education Requirement:****27 credit hours**

Including Mth 111 and Eco 201

Business Requirements:**21 credit hours**

Acc 201	Principles of Accounting I	3
Acc 202	Principles of Accounting II	3
BAd 103	Introduction to Software Applications (or CS 107, 108, and 109)	3
BAd 301	Business Law	3
Eco 202	Economic Concepts II	3
Mgt 306	Management Concepts	3
Mkt 307	Marketing Concepts	3

Business Electives:**9 credit hours****Electives:**

To total 63 credit hours

Computer Competency is met through BAd 103 **OR** CS 107, 108, and 109.

ACADEMIC MINOR IN ACCOUNTING

This program is limited to students who are not registered in the School of Business.

Accounting Requirements: 24 total credit hours

Acc 201	Principles of Accounting I	3
Acc 202	Principles of Accounting II	3
Acc 301	Intermediate Accounting I	3
Acc 302	Intermediate Accounting II	3

Accounting/Business Electives: (to be approved by the School Chairperson) 12

Computer Competency is met through BAd 103 **OR** CS 107, 108, and 109.

ACADEMIC MINOR IN BUSINESS

This program is limited to students who are not registered in the School of Business.

Business Requirements: 27 credit hours

Acc 201	Principles of Accounting I	3
Acc 202	Principles of Accounting II	3
BAd 103	Introduction to Software Applications (or CS 107, 108, and 109)	3
BAd 318	Business Statistics	3
Eco 201	Economic Concepts I	3
Eco 202	Economic Concepts II	3
Fin 308	Financial Concepts	3
Mgt 306	Management Concepts	3
Mkt 307	Marketing Concepts	3

Computer Competency is met through BAd 103 **OR** CS 107, 108, and 109.

ACADEMIC MINOR IN FINANCE/ECONOMICS

This program is limited to students who are not registered in the School of Business.

Economics Requirements: 24 credit hours

BAd 318	Business Statistics	3
Eco 201	Economic Concepts I	3
Eco 202	Economic Concepts II	3
Eco 304	Intermediate Economics	3
Eco 307	Money and Banking	3
Fin 308	Financial Concepts	3
Fin 314	Managerial Finance	3
Fin 401	Investments/Derivatives	3

Computer Competency is met through BAd 103 **OR** CS 107, 108, and 109.

CERTIFICATE IN ACCOUNTING

This program is principally for persons who have completed a Bachelor's degree in another field, and is also available online as a Post-Baccalaureate Certificate in Accounting.

Business Requirements: 48 credit hours

Acc 201	Principles of Accounting I	3
Acc 202	Principles of Accounting II	3
Acc 301	Intermediate Accounting I	3
Acc 302	Intermediate Accounting II	3
Acc 401	Advanced Accounting	3

Acc 404	Federal Individual Taxation	3
Acc 410	Auditing	3
BAd 103	Introduction to Software Applications	3
BAd 301	Business Law	3
BAd 318	Business Statistics	3
Fin 308	Financial Concepts	3
Mgt 306	Management Concepts	3
Mkt 307	Marketing Concepts	3
	One Business Elective	3
	Two Accounting Electives	6

Computer Competency is met through BAd 103 *OR* CS 107, 108, and 109.

COURSE DESCRIPTIONS: ACCOUNTING, BUSINESS ADMINISTRATION, ECONOMICS, FINANCE, MANAGEMENT, and MARKETING

ACCOUNTING COURSE DESCRIPTIONS

Acc 201 Principles of Accounting I *3 credit hours*

An introduction to financial accounting that explains the accounting principles and procedures used to record and report economic events of a business entity. Financial accounting focuses on the preparation of accounting information for users outside the business entity.

Acc 202 Principles of Accounting II *3 credit hours*

A continuation of the introduction to financial accounting principles and an introduction to managerial accounting. Managerial accounting focuses on the preparation and use of accounting information by management. *Prerequisite: Acc 201.*

Acc 301 Intermediate Accounting I *3 credit hours*

Primary emphasis is directed to the basic concepts and theories underlying contemporary external financial reporting. *Prerequisite: Acc 202.*

Acc 302 Intermediate Accounting II *3 credit hours*

Emphasis is placed on certain specialized accounting topics. *Prerequisite: Acc 301.*

Acc 304 Advanced Managerial Accounting *3 credit hours*

An investigation of the current trends in the practice of managerial accounting with an emphasis on the concepts and practices of information gathering, monitoring, and management control in manufacturing and service-oriented businesses. *Prerequisite: Acc 202.*

Acc 399 Independent Study *1-4 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Acc 401 Advanced Accounting *3 credit hours*

An in-depth conceptual study of advanced topics in various areas of financial accounting. *Prerequisite: Acc 302.*

Acc 402 Governmental and Nonprofit Accounting *3 credit hours*

The application of general accounting principles to federal, state, local governments, and non-profit organizations. *Prerequisite: Acc 202.*

Acc 404 Federal Individual Taxation 3 credit hours
A comprehensive study of the federal income tax structure, compliance with federal code and regulations, and income tax planning for individuals. *Prerequisite: Acc 202.*

Acc 406 Federal Entity Taxation 3 credit hours
A comprehensive study of the federal income tax structure, compliance with federal code and regulations, and income tax planning for taxed and pass-through organizations. *Prerequisite: Acc 202.*

Acc 410 Auditing 3 credit hours
A comprehensive study and examination of the standards, principles, and procedures of independent auditing and the attest function. Some coverage of internal auditing. *Prerequisite: Acc 302.*

Acc 496 Accounting Internships 3-9 credit hours
Internships are designed to supplement academic studies with practical work assignments that make the educational program more meaningful. Internships are planned and evaluated work experience integrated with an educational program. They may be directly career related or designed to enhance the student's range of experience. The student and the business at the beginning of the internship application process determine how many hours credit (and, thus, how many hours of work) the student will work; 40 hours of work is required for each credit hour. *Prerequisites: Junior status and permission of instructor.*

Acc 499 Accounting Research Projects 3 credit hours
Students may conduct guided research in some theoretical or practical aspect of accounting, or they might participate in some special project under the guidance of faculty members. Research topics and projects will vary and depend on the interests of faculty members and students. *Prerequisites: Junior status and permission of instructor.*

BUSINESS ADMINISTRATION COURSE DESCRIPTIONS

BAd 103 Introduction to Software Applications 3 credit hours
Survey of the Windows operating system and business software applications, including word processing, spreadsheet, presentation, and database software. Fulfills computer competency for Business or Accounting majors.

BAd 301 Business Law 3 credit hours
A basic course dealing with the history and operation of the law, the law of contracts, and some description of other important segments of law useful to business students. *Prerequisite: Junior status or permission.*

BAd 318 [formerly BAd 311 and BAd 312] Business Statistics 3 credit hours
Fundamental concepts and methods of statistics covering frequency distributions, measures of central tendency and dispersion, probability, probability distributions, sampling, estimation, statistical quality control, quantitative decision-making, hypothesis testing, correlation analysis, regression analysis, and non-parametric statistics. *Prerequisite: Mth 113 or equivalent.*

BAd 320 International Business 3 credit hours
This course demonstrates how cross-cultural communications can and do affect the methods and outcomes of international business. Different patterns of organizational structures and hierarchies are examined, as are value systems and beliefs, language and other forms of

communication, cultural impact on methods of negotiation, and the development of attributes to “grow” global managers.

BAd 399 Independent Study 1-4 credit hours

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of “Application for Admission to Independent Study.”*

BAd 405 Management Information Systems 3 credit hours

Examination of information needs of a business and how to plan, design, and implement a system to meet those needs. *Prerequisite: Senior status.*

BAd 410 Public Regulation of Business 3 credit hours

A study of the effect of government controls upon the business enterprise. Regulatory laws and government agencies are also considered. *Prerequisite: BAd 301.*

BAd 418 Quantitative Methods for Business 3 credit hours

Quantitative approaches to problem solving in business are covered. Among the topics covered are product and service design, reliability, capacity planning, inventory management, scheduling, and project management. *Prerequisites: Mgt 306 and senior status.*

BAd 490 Business Research Projects 3 credit hours

Students may conduct guided research in some theoretical or practical aspect of business, or they might participate in some special project under the guidance of faculty members. Research topics and projects will vary and depend on the interests of faculty members and students. *Prerequisites: Junior status and permission of instructor.*

BAd 496 Business Internships 3-9 credit hours

Internships are designed to supplement academic studies with practical work assignments that make the educational program more meaningful. Internships are planned and evaluated work experience integrated with an educational program. They may be directly career related or designed to enhance the student’s range of experience. The student and the business at the beginning of the internship application process determine how many hours credit (and, thus, how many hours of work) the student would be working; 40 hours of work is required for each credit hour. *Prerequisites: Junior status and permission of instructor.*

BAd 499 Business Policy 3 credit hours

A capstone case course with an emphasis on integrating the various functional areas of business. As cases are discussed, consideration is given to topics such as decision-making, strategic planning, and organization theory. *Prerequisites: Senior status, Fin 308, Mgt 306, and Mkt 307.*

ECONOMICS COURSE DESCRIPTIONS

*GER Approved Course

***Eco 201 Economic Concepts I (Macroeconomics)** 3 credit hours

An introduction to the functions of an economic system with an emphasis on income determination and government policy.

***Eco 202 Economic Concepts II (Microeconomics)** 3 credit hours

An introduction to the functions of an economic system with an emphasis on decision-

making by individuals and firms in a market economy.

Eco 304 Intermediate Economics

3 credit hours

Intermediate analysis of microeconomic theory and concepts. Topics include consumer behavior and demand, production and costs, price and output under both perfect competition and pure monopoly. *Prerequisite: Eco 201.*

Eco 307 Money and Banking

3 credit hours

This course presents a fundamental treatment of how money functions. Topics covered include the money supply, how banks create money, how the various types of financial institutions operate, and the workings of monetary and fiscal policies. *Prerequisite: Eco 201 or permission of instructor.*

Eco 418 Mathematical Methods in Economics

3 credit hours

A survey course designed to develop those mathematical results and methods that find frequent use in economic analysis. *Prerequisites: Eco 202, Eco 304, BAd 311, and Mth 113.*

FINANCE COURSE DESCRIPTIONS

Fin 308 Financial Concepts

3 credit hours

An introduction to the basic principles, concepts and analytical techniques of finance. Major topics include financial analysis and planning, working capital management, capital budgeting, cost of capital, and sources of capital. *Prerequisites: Acc 201; BAd 103, 311; Eco 201 and 202.*

Fin 314 Managerial Finance

3 credit hours

This course uses cases to reinforce finance principles and to develop further areas such as financial analysis and planning, working capital management, capital budgeting, and capital structure. *Prerequisite: Fin 308.*

Fin 401 Investments/Derivatives

3 credit hours

This course is designed to introduce the students to the general investment media, the analysis of these alternative investments, both individually and in a portfolio context, and the operations of the securities markets. *Prerequisite: Fin 308.*

MANAGEMENT COURSE DESCRIPTIONS

Mgt 306 Management Concepts

3 credit hours

The study of principles of management focused around a central core of planning, organizing, directing, controlling, and staffing. *Prerequisite: Sophomore status.*

Mgt 308 Organizational Behavior

3 credit hours

This course explores the field of organizational behavior from both internal and external perspectives. Key areas include organizational processes, change and development, organizational structures, and outcomes. Organizational theory will be highlighted so that learning can be applied to real world settings and situations. *Prerequisite: Mgt 306.*

Mgt 315 Personnel/Human Resource Management

3 credit hours

An introduction to the management of human resources in organizations, with emphasis on the role of human resource manager. The course focuses on job design, employee recruitment and selection, assessment and performance, compensation and benefits, legal constraints, retaining human resources, employee development, and employee-management relations. *Prerequisite: Mgt 306.*

Mgt 316 Global Management*3 credit hours*

This course provides a comprehensive understanding of the competitive global business marketplace of the 21st century. It covers vital topics in the international business environment, including understanding cultural diversity, roles of international organizations, economic theories on international trade, development and investment, strategic planning, and organizational design. *Prerequisite: Mgt 306.*

Mgt 317 Industrial/Organizational Psychology*3 credit hours*

This course will cover current thought, policies, practice, and tools relevant to industrial/organizational (I/O) psychology and how they can be used in the development of human resources in such areas as employee selection, psychological testing, performance appraisal, training, and development. *Prerequisites: Mgt 306 and Psy 105.*

Mgt 341 Human Resource Management Assessment*3 credit hours*

This course provides an introduction to classical and contemporary theories in testing and measurement. It covers areas of reliability, validity, and norming common to all test construction. It investigates the legal and ethical issues relevant to psychological testing. It is an introductory survey of tests used to measure general mental ability, specific abilities and aptitudes, personality, interests, and attitudes in personnel and employment settings. *Prerequisite: Mgt 315.*

Mgt 403 Marketing Management*3 credit hours*

An integrative course utilizing the case method approach to develop experience in creating alternative strategic responses to problems facing a marketing manager. *Prerequisite: Mkt 307.*

Mgt 411 Labor-Management Relations*3 credit hours*

The study of the history of the labor movement in the United States, a survey of the legal framework involved with union/management relationships, and an understanding of the collective bargaining process. *Prerequisite: Mgt 315.*

Mgt 420 Seminar in Human Resource Management*3 credit hours*

A comprehensive course in human resource management with emphasis on the implementation of the latest methods and techniques of HRM programs. It focuses on current issues and changes in the field and their implications to the organization. *Prerequisite: Mgt 315.*

MARKETING COURSE DESCRIPTION**Mkt 307 Marketing Concepts***3 credit hours*

The study of the principles of marketing around the themes of product, price, place, and promotion. *Prerequisite: Sophomore status.*

CATHOLIC STUDIES**ACADEMIC MINOR IN CATHOLIC STUDIES**

The Catholic Studies minor at Brescia University seeks to preserve and enrich the Catholic tradition of dialogue between faith and reason in a manner that respects diverse faith traditions. It examines the Catholic intellectual heritage through an interdisciplinary liberal arts program that seeks to shape the character of the whole person within the spirit of St. Angela Merici, founder of the Ursulines.

Students who choose to minor in Catholic Studies will be challenged to investigate the creative tension in history between faith and reason, the Catholic intellect and contemporary culture, Catholicism and philosophy, literature and the arts and sciences, Catholic thought and the history of world civilizations, Catholic social teaching and government, politics, social work, and the business world. The Catholic Studies minor also promotes Brescia's special Ursuline mission to women and families in order to transform society by engaging students in a healthy dialogue between women's spirituality and Catholic theology. The program will bring all of this to life through the lens of the Catholic intellectual tradition as it fosters the integration of the spiritual life into the student's major field of study. Finally, the Catholic Studies minor embodies the Ursuline core values of community, leadership, justice, and service to the community in its collaboration with non-credit programs and in its dialogue with world cultures.

Students may pursue both a baccalaureate degree in Theology and a minor in Catholic Studies. However, only two (2) courses may be used to fulfill requirements in both programs.

Academic Minor in Catholic Studies: **21 credit hours**
(No more than six hours in any one discipline may be taken.)

Theology Requirement: **6 credit hours**
 Th 110 Catholic Faith 3

Theology Elective:
 Th 303, 318, 320, **OR** 350
 Catholic Moral Tradition and Contemporary Issues,
 Faith and Justice: The Gospels and Social Values,
 The Church, **OR** Development of Catholic Doctrine 3

Required Interdisciplinary Electives: **6 credit hours**
 Eng 370 Catholic Writers (3)
 His 334 History of the Renaissance and Reformation (3)
 Phl 347 Ethics of Health Care (3)
 SW 331 Spirituality and Social Work (3)

Electives: **9 credit hours**
 Any of the above Interdisciplinary Electives 3
 Art 380 Renaissance Art 3
 Art 386 History of Religious Imagery in Western Art 3

Additional courses may be chosen as electives with the permission of the advisor and the faculty member. Students will complete a contract identifying the activity that will determine the suitability of the course for credit in the minor.

CHEMISTRY

The Chemistry program has three main purposes: (1) to educate chemists for graduate work, research, industry, and teaching; (2) to give a basic background in chemistry to students of related sciences; and (3) as a part of general education, to broaden students' knowledge of and appreciation for scientific advancement as it affects their lives, society, and environment. The minimum number of credit hours required for the major is thirty-two credit hours. The program emphasizes the application of chemical principles to the life sciences, although curriculum tracks for various other career areas may be appropriate.

Prospective chemistry major students should consult with their advisors to determine the best program for their career needs.

B. S. DEGREE WITH A MAJOR IN CHEMISTRY

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Major Subject Requirements: 32 credit hours

Chm 101	General Chemistry I <i>and</i>	3
Chm 101L	General Chemistry I Lab	1
Chm 102	General Chemistry II <i>and</i>	3
Chm 102L	General Chemistry II Lab	1
Chm 205	Quantitative Analysis <i>and</i>	3
Chm 205L	Quantitative Analysis Lab	1
Chm 301	Organic Chemistry I <i>and</i>	3
Chm 301L	Organic Chemistry I Lab	1
Chm 302	Organic Chemistry II <i>and</i>	3
Chm 302L	Organic Chemistry II Lab	1
Chm 350	Physical Chemistry <i>and</i>	3
Chm 350L	Physical Chemistry Lab	1
Chm 409	Biochemistry I <i>and</i>	(3)
Chm 409L	Biochemistry I Lab	(1)
OR		
Chm 410	Biochemistry II <i>and</i>	(3)
Chm 410L	Biochemistry II Lab	(1)
Chm 499	Seminar	1
Upper division elective		3

Related Subject Requirements: 20/19 credit hours

Mth 211	Calculus I	4
Mth 212	Calculus II	4
Mth 213	Calculus III (<i>OR</i> another upper-level math course)	4/3
PhS 201	General Physics I <i>and</i>	3
PhS 201L	General Physics I Lab	1
PhS 202	General Physics II <i>and</i>	3
PhS 202L	General Physics II Lab	1

Electives: To total 128 credit hours

Computer Competency is met through Chm 499.

ACADEMIC MINOR IN CHEMISTRY

Chemistry Requirements: 24 credit hours

Chm 101	General Chemistry I <i>and</i>	3
Chm 101L	General Chemistry I Lab	1
Chm 102	General Chemistry II <i>and</i>	3
Chm 102L	General Chemistry II Lab	1
Chm 205	Quantitative Analysis <i>and</i>	3
Chm 205L	Quantitative Analysis Lab	1
Chm 301	Organic Chemistry I <i>and</i>	3
Chm 301L	Organic Chemistry I Lab	1

Chm 302	Organic Chemistry II <i>and</i>	3
Chm 302L	Organic Chemistry II Lab	1
Elective from upper-division courses		4

Computer Competency is met through CS 107, CS 108, and IdC 100.

CHEMISTRY/CHEMICAL ENGINEERING DUAL B. S. DEGREE PROGRAM

Brescia University, by a special articulation agreement with the University of Louisville, offers a Dual-Degree Program in Chemistry/Chemical Engineering. A student choosing the program would attend Brescia University for three years and then transfer to the Speed Scientific School of the University of Louisville. Upon completion of both programs' requirements, the student would receive a Bachelor of Science Degree in Chemistry from Brescia University and a Bachelor of Science Degree in Chemical Engineering from the University of Louisville. The articulation agreement with the University of Louisville facilitates the transfer of students and of the equivalent courses.

The dual program, combining advantages of liberal arts and engineering education, is feasible and cost effective through an easy transfer of courses in both directions. At Brescia University the student would satisfy most of the normal General Education Requirements, and the listed Major and Related Subject Requirements.

During the two years at U of L, the student is required to take a minimum of fifty-one credit hours of engineering courses in order to complete the Chemical Engineering degree. The listed below transferable courses satisfy requirements of the chemistry major at Brescia and basic science and mathematics requirements of the Chemical Engineering program at the University of Louisville.

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Chosen to satisfy Brescia and the University of Louisville

Major Subject Requirements: **32 credit hours**

Chm 101	General Chemistry I <i>and</i>	3
Chm 101L	General Chemistry I Lab	1
Chm 102	General Chemistry II <i>and</i>	3
Chm 102L	General Chemistry II Lab	1
Chm 205	Quantitative Analysis <i>and</i>	3
Chm 205L	Quantitative Analysis Lab	1
Chm 301	Organic Chemistry I <i>and</i>	3
Chm 301L	Organic Chemistry I Lab	1
Chm 302	Organic Chemistry II <i>and</i>	3
Chm 302L	Organic Chemistry II Lab	1
Chm 350	Physical Chemistry <i>and</i>	3
Chm 350L	Physical Chemistry Lab	1
Chm 409	Biochemistry I <i>and</i>	(3)
Chm 409L	Biochemistry I Lab	(1)

OR

Chm 410	Biochemistry II <i>and</i>	(3)
Chm 410L	Biochemistry II Lab	(1)
Chm 499	Chemistry Seminar	1

Approved course from the University of Louisville

3

Related Subject Requirements:**32 credit hours**

Bio 325	Ecology	3
Mth 211	Calculus I	4
Mth 212	Calculus II	4
Mth 213	Calculus III	4
Mth 305	Differential Equations	3
Mth 313	Probability and Statistics	3
PhS 201	General Physics I <i>and</i>	3
PhS 201L	General Physics I Lab	1
PhS 202	General Physics II <i>and</i>	3
PhS 202L	General Physics II Lab	1
PhS 350	Thermodynamics	3

Electives:

To total 128 credit hours

Approved courses from University of Louisville

Computer Competency is met through CS 107, CS 108, and IdC 100.**CHEMISTRY COURSE DESCRIPTIONS**

*GER Approved Course

Chm 100 Introduction to Chemistry3 credit hours*

Basic chemistry, including an introduction to geology. Laboratory. Does not apply to a chemistry major.

Chm 101 General Chemistry I3 credit hours*

Fundamental laws, theories, and concepts of modern chemistry. Three lectures and one laboratory period per week.

Chm 101L General Chemistry I Lab1 credit hour*

Generally taken with Chm 101 – General Chemistry I.

Chm 102 General Chemistry II*3 credit hours*Intensive treatment of the principles of chemistry with analytical study of the anions and cations. Three lectures and one laboratory period per week. *Prerequisite: Chm 101 or instructor consent.***Chm 102L General Chemistry II Lab***1 credit hour*

Generally taken with Chm 102 – General Chemistry II.

Chm 205 Quantitative Analysis*3 credit hours*Theory and practice of volumetric and gravimetric analysis. Laboratory practice in the identification of unknowns. Methods of calculation used in analysis are emphasized. Three lectures and one laboratory period per week. *Prerequisites: Chm 101 and 102.***Chm 205L Quantitative Analysis Lab***1 credit hour*

Generally taken with Chm 205 – Quantitative Analysis.

Chm 301 Organic Chemistry I*3 credit hours*

Fundamentals of modern organic chemistry with emphasis on bonding, mechanism, stereo-

chemistry, analysis, and synthesis of organic compounds. Three lectures and one laboratory period per week. *Prerequisites: Chm 101 and 102.*

Chm 301L Organic Chemistry I Lab *1 credit hour*
Generally taken with Chm 301 – Organic Chemistry I.

Chm 302 Organic Chemistry II *3 credit hours*
Fundamentals of modern organic chemistry with emphasis on bonding, mechanism, stereochemistry, analysis, and synthesis of organic compounds. Three lectures and one laboratory period per week. *Prerequisite: Chm 301.*

Chm 302L Organic Chemistry II Lab *1 credit hours*
Generally taken with Chm 302 – Organic Chemistry II.

Chm 307 Problems in Chemistry I *2-3 credit hours*
Introduction to research for advanced students in chemistry.

Chm 308 Problems in Chemistry II *2-3 credit hours*
Introduction to research for advanced students in chemistry.

Chm 320 Inorganic Chemistry *3 credit hours*
Survey of atomic structure, descriptive chemistry of selected elements, periodic relationships, chemical bonding, nomenclature, aqueous and non-aqueous chemistry, and coordination complexes. Three lectures per week. *Prerequisites: Chm 102 and 205.*

Chm 350 Physical Chemistry *3 credit hours*
Elementary principles of thermodynamics; modern theories of atomic and molecular structure; kinetics and various equilibria of chemical importance, with an emphasis on biochemical applications. Three lectures and one laboratory period per week. *Prerequisites: Four semesters of chemistry; mathematics through calculus; general physics.*

Chm 350L Physical Chemistry Lab *1 credit hour*
Generally taken with Chm 350 – Physical Chemistry.

Chm 399 Independent Study *1-4 credit hours*
This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Chm 405 Directed Research *2 credit hours*
Directed laboratory/library projects for senior chemistry majors and minors of demonstrated superior ability. *Admission by recommendation only.*

Chm 409 Biochemistry I *3 credit hours*
Chemistry of proteins, nucleic acids, enzymes, and other biomolecules. Emphasis on structure and function of biochemical processes. Three lectures and one lab period per week. *Prerequisites: Chm 301 and 302.*

Chm 409L Biochemistry I Lab *1 credit hour*
Generally taken with Chm 409 – Biochemistry.

Chm 410 Biochemistry II *3 credit hours*
Chemistry of carbohydrates, fats, and other biomolecules. Emphasis on reaction pathways

and other biochemical processes. Three lectures weekly. *Prerequisites: Chm 301 and 302.*

Chm 410L Biochemistry II Lab

1 credit hour

Generally taken with Chm 410 – Biochemistry II.

Chm 499 Chemistry Seminar

1 credit hour

This course is an introduction to chemical literature and chemistry information systems.

Prerequisite: Senior status.

COMPUTER STUDIES

Through thoughtful individual mentoring, the Computer Studies program provides students with the broad base of skills needed to apply computer technology effectively in our changing modern society, and to deal efficiently and creatively with day-to-day problems that might arise in a typical computing environment. A flexible, interdisciplinary approach allows students to emphasize quantitative theory (strong preparation geared to graduate study in computer science or computer engineering); computer art (preparation geared toward graphic design, web page design, video production, and animation); business and management systems (geared towards careers in information systems, systems analysis, systems management, or computer business); scientific computing (geared towards careers providing technical support in scientific research); or foundations of reason (geared toward strengthening computational methods and theories through understanding human reason and parallels between organic and artificial thought processes).

An academic minor in Computer Studies is also offered for those who wish to combine a solid background in computing with another major area.

B. S. DEGREE WITH A MAJOR IN COMPUTER SCIENCE

Required to Graduate:

128 credit hours

General Education Requirement:

57 credit hours

COMPUTER SCIENCE CORE

31 credit hours

Major Subject Requirements:

21 credit hours

CS 110	Programming I	3
CS 111	Programming II	3
CS 316	Data Management and Algorithms	3
CS 320	Operating Systems	3
CS 370	Networking	3
CS 385	Computer Organization	3
CS 497	Senior Seminar I	1
CS 498	Senior Seminar II	1
CS 499	Senior Project	1

Major Subject Electives:

6 credit hours

Choose two courses:

Art 419	Digital Animation	(3)
BAd 405	Management Information Systems	(3)
CS 312	Systems Analysis and Software Engineering	(3)
CS 335	Artificial Intelligence	(3)
CS 340	Programming Languages	(3)
CS 410	Special Topics (<i>may be taken twice if different topics</i>)	(3)

Related Subject Requirement:	4 credit hours
Mth 211 Calculus I	4

EMPHASIS IN QUANTITATIVE THEORY

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Computer Science Core Requirement: **31 credit hours**

Quantitative Theory Emphasis Requirements: **23 credit hours**

Mth 212	Calculus II	4
Mth 213	Calculus III	4
Mth 308	Linear Algebra	3
Mth 310	Geometry	3
Mth 313	Probability & Statistics	3
One Additional CS Major Elective		3
<i>Choose one (3-credit) course:</i>		3
Mth 320	Graph Theory OR	(3)
Mth 340	Numerical Analysis OR	(3)
Mth 415	Operations Research	(3)

Electives: To total 128 credit hours

Computer Competency is met through CS 110. Students may substitute CS 111.

EMPHASIS IN COMPUTER ART

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Computer Science Core Requirement: **31 credit hours**

Computer Art Emphasis Requirements: **24 credit hours**

Art 111	Design I	3
Art 315	Computer Graphics I	3
Art 317	Computer Graphics II	3
Art 419	Digital Animation (<i>if not chosen as CS elective above or additional emphasis elective from list below</i>)	3
Mth 103 OR 310	Discrete Math OR Geometry	3

Choose 9 credit hours from this list: 9

Art 101	Drawing I	(3)
Art 160	Basic Photography I	(3)
Art 171-175	International Film, Movies, Ethics	(1 credit hour each)
*Art 202	Drawing II	(3)
*Art 210	Graphic Design I	(3)
*Art 211	Design II	(3)
*Art 260	Advanced Photography	(3)
*Art 316	Graphic Design II	(3)
*Art 318	History of Graphic Design	(3)
Mkt 307	Marketing Concepts	(3)

*Denotes courses with prerequisites (that may be used to fulfill GER or may be another emphasis elective)

Electives:

To total 128 credit hours

Computer Competency is met through CS 110. Students may substitute CS 111.**EMPHASIS IN BUSINESS AND MANAGEMENT SYSTEMS****Required to Graduate:** 128 credit hours**General Education Requirement:** 57 credit hours**Computer Science Core Requirement:** 31 credit hours**Business and Management Emphasis Requirements:** 24 credit hours

Acc 201	Principles of Accounting I	3
BAd 318	Business Statistics	3
Eco 201 OR 202	Economic Concepts I OR Economic Concepts II	3
BAd 405	Management Information Systems (may not be used as a major elective)	3
Mth 103 OR 310	Discrete Math OR Geometry	3

*Choose 9 credit hours, including one marked ^, from the emphasis elective list below.**Alternatively, omit the CS major electives and choose 15 hours, including Acc 202 (Principles of Accounting II) and at least two courses marked ^ from the emphasis list below or the CS major electives list:*

Acc 202	Principles of Accounting II	(3)
Acc 301	Intermediate Accounting I	(3)
^Acc 302	Intermediate Accounting II	(3)
^Acc 304	Advanced Managerial Accounting	(3)
BAd 301	Business Law	(3)
BAd 320	International Business	(3)
^BAd 418	Quantitative Methods for Business	(3)
BAd 490	Business Research Projects	(3)
Eco 201 OR 202	Economic Concepts I OR II (<i>whichever not taken above</i>)	(3)
Eco 304	Intermediate Economics	(3)
^Eco 418	Mathematical Methods in Economics	(3)
^Fin 308	Financial Principles	(3)
Fin 314	Financial Management	(3)
Mgt 306	Management Concepts	(3)
Mgt 308	Organizational Behavior	(3)
^Mgt 316	Global Management	(3)
^Mgt 403	Marketing Management	(3)
Mkt 307	Marketing Concepts	(3)

Electives:

To total 128 credit hours

Computer Competency is met through CS 110. Students may substitute CS 111.**EMPHASIS IN FOUNDATIONS OF REASON****Required to Graduate:** 128 credit hours**General Education Requirement:** 57 credit hours**Computer Science Core Requirement:** 31 credit hours

Choose CS 335 Artificial Intelligence as a Major Elective 3

Foundations of Reason Emphasis Requirements: 24 credit hours

Phl 110	Applied Logic: Critical Thinking	3
Eng 306	Linguistics	3
Mth 102	Mathematics and Truth	3
Mth 103 OR 310	Discrete Math OR Geometry	3

One additional course in Ethics: 3

Phl 231	Ethics and Morality OR	(3)
Phl 346	Business Ethics OR	(3)
Phl 347	Ethics of Health Care	(3)

One additional Intro to or History of Philosophy: 3

Phl 103	Intro to Philosophy OR	(3)
Phl 300 OR 301	History of Philosophy I OR History of Philosophy II	(3), (3)

Choose two (3-credit) courses not chosen above: 6

Phl 103	Intro to Philosophy	(3)
Phl 300	History of Philosophy I	(3)
Phl 301	History of Philosophy II	(3)
Psy 380	Biopsychology	(3)
IdC 389	Aesthetics and Ethics	(3)

Electives: To total 128 credit hours

Computer Competency is met through CS 110. Students may substitute CS 111.

EMPHASIS IN SCIENTIFIC COMPUTING

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Computer Science Core Requirement: 31 credit hours

Choose CS 350	Problems and Modeling as a Major Elective	3
Bio 405 & 499	Directed Research & Biology Seminar <i>may</i> be substituted for CS 497–499 in Core Requirements for Option A below;	
Chm 405 & 499	Directed Research & Chemistry Seminar <i>may</i> be substituted for CS 497–499 in Core Requirements for Option B below; and	
PhS 405	Directed Research <i>may</i> be substituted for CS 497 and 498 in Core Requirements for Option C below; however, in this case, CS 499 must still be taken.	

Scientific Computing Emphasis Requirements: 20–24 credit hours

PhS 201/ 201L	General Physics I and Lab	4
PhS 202/202L	General Physics II and Lab OR	(4)
Mth 103	Discrete Math	(3)
Mth 250	Statistics for Social Sciences OR	
Mth 313	Probability and Statistics	3

Choose one of the following combinations:

A.	Bio 105/105L	Ecology and Evolution and Lab	4
	Bio 115/115L	Molecular and Cellular Biology and Lab	4
	Bio 325/325L	Ecology and Lab OR	
	Bio 300/300L	Genetics and Lab	4
B.	Chm 101/101L	General Chemistry I and Lab	4
	Chm 102/102L	General Chemistry II and Lab	4

Chm 205/205L	Quantitative Analysis and Lab	4
C. Mth 340	Numerical Analysis	3
Mth 305	Differential Equations	3
PhS 104	Elements of Astronomy OR	(3)
Any Upper-Division Physics Class		(3–4)

Electives:

To total 128 credit hours

Computer Competency is met through CS 110. Students may substitute CS 111 (programming II).

ACADEMIC MINOR IN COMPUTER STUDIES

Computer Studies Requirements:		21 credit hours
CS 110	Programming I	3
CS 111	Programming II	3
CS 320	Operating Systems <i>OR</i>	
CS 385	Computer Organization	3
CS 316	Data Management and Algorithms <i>OR</i>	
CS 370	Networking	3

*Choose 9 credit hours from upper-division CS courses or any of the following:
(at most, 3 of these credits can come from a student's major program)*

Mth 320	Graph Theory	(3)
Mth 340	Numerical Analysis	(3)
Art 419	Digital Animation	(3)
BAd 405	Management Information Systems	(3)

Related Subject Requirements:	7 credit hours
Mth 103 OR 310 Discrete Math OR Geometry	3
Mth 211 Calculus I	4

COMPUTER SCIENCE COURSE DESCRIPTIONS

*GER Approved Course

***CS 107 Electronic Spreadsheets** *1 credit hour*

An introduction to computers and the use of electronic spreadsheets. Electronic spreadsheets are one of the most commonly used business software tools. This course fulfills GER requirements by promoting and encouraging logical thinking and reasoning skills related to computer software applications in general; by emphasizing communications via writing and utilizing mathematical functions in designing and maintaining computer applications via electronic spreadsheets; and by cultivating individual student creativity resulting from an exposure to the use of text art and computer graphic technique attributes available in Microsoft Excel®.

***CS 108 Internet Technology** *1 credit hour*

An introduction to computers and internet literacy. This course fulfills GER requirements by promoting and encouraging logical thinking and reasoning skills related to computer software applications in general; by emphasizing research via online skills utilizing the Web; and by cultivating individual student creativity resulting from exposure to the use of text art and computer graphics techniques to build individual web pages.

***CS 109 Databases** *1 credit hour*

This course introduces students to efficient and effective use of computer databases through Microsoft Access software. It discusses both using and designing databases.

***CS 110 Programming I** *3 credit hours*

Problem-solving methodology and algorithm development using a high level language such as C++. Students are taught how to design, code, debug, and document programs using structured techniques and good programming style. *Prerequisite: Admission to any math course higher than Mth 006.*

CS 111 Programming II *3 credit hours*

A continuation of CS 110 with development of discipline in program design, style, and expression. Debugging and testing of large problems using a team approach. Introduction to the object-oriented paradigm. *Prerequisite: CS 110.*

CS 312 Systems Analysis and Software Engineering *3 credit hours*

This course provides an overview of the systems development life cycle with application to software engineering. Systems development, design and functional specifications, documentation, flow diagrams, computer-aided software, engineering software, and team effort are among topics discussed.

CS 316 Data Management and Algorithms *3 credit hours*

This course focuses on mechanisms and algorithms for efficient storage and retrieval of information, including such issues as file organization, hashing, tree structures, file sorting, databases, and data mining.

CS 320 Operating Systems *3 credit hours*

A detailed look at theoretical issues underlying computer operating systems. Course content includes an historical overview of operating systems, processes and threads, memory management, I/O, file systems, multimedia issues, system security, and multi-processor systems.

CS 335 Artificial Intelligence *3 credit hours*

This course provides a broad overview of the field of artificial intelligence unified by the theme of intelligent automated decision-making. Numerous aspects of intelligence are examined from a theoretical view, and algorithms are discussed to simulate them efficiently. *Prerequisite: CS 110 or Mth 211. Both are recommended.*

CS 340 Programming Languages *3 credit hours*

This course examines both the elements of the theory and commonality underlying all programming languages and the nuances of programming specific languages not examined in basic programming courses. *Prerequisite: CS 111 or permission of instructor.*

***CS 350 Problems and Modeling [formerly *Computer Problem Solving*]** *3 credit hours*

Computer modeling and simulation of real world problems is examined in this course, including a detailed examination of four problem-solving aspects: finding and gathering necessary information, envisioning an appropriate model to address desired goals, implementing the model using appropriate software tools (spreadsheets, statistical packages, symbolic manipulators, simulation packages, programming languages), and testing/analyzing the model. *Prerequisite: Mth 211.*

CS 370 Networking [formerly *Telecommunications*] *3 credit hours*

This course helps students master the concepts of telecommunications as needed to run a

business, work in industry, or teach mathematics/science in a school system. The course will include applications such as the internet, Compuserve®, and KETnet.

CS 385 Computer Organization *3 credit hours*

A course in structured computer organization that includes the digital level, the micro-architecture level, the instruction set architecture level, the operating system machine level, the assembly language level, and parallel architectures.

CS 399 Independent Study *1-4 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

CS 410 Computer Topics *3 credit hours*

A seminar course designed to explore advanced topics in computer studies related to student and faculty areas of interest. *Prerequisite: Junior/senior CS major or advanced minor status.*

CS 497 Senior Seminar I *1 credit hour*

This course prepares students for part I of the required Senior Exit Examination by summarizing and reviewing subjects in the Computer Science core program and providing a forum for discussion of senior project expectations and progress. *Prerequisite: Senior CS major.*

CS 498 Senior Seminar II *1 credit hour*

This course prepares students for part II of the required Senior Exit Examination by summarizing and reviewing advanced Computer Science topics and providing a forum for discussion of senior project expectations and progress. *Prerequisite: Senior CS major.*

CS 499 Senior Project *1 credit hour*

This course grants credit for the required senior project in Computer Science. The project is to contain original contributions toward solving a substantive problem in the discipline and will be directed by a faculty mentor. *Prerequisite: Senior CS major.*

ENGINEERING STUDIES

The Associate of Science degree in Engineering Studies provides a rigorous course of study in the prerequisites of a four-year engineering program. All courses in the program are accepted for credit by the Engineering Schools of the University of Kentucky and the University of Louisville toward any of their specific engineering field programs. Generally, students from Brescia with this two-year degree should be able to complete a B.S. degree in engineering after two additional years at the University of Kentucky; however, some areas of engineering may require some summer course work if the Bachelor's degree is to be completed in four years.

See also the Dual Degree Program in Chemistry/Chemical Engineering with the University of Louisville.

A. S. DEGREE WITH A MAJOR IN ENGINEERING STUDIES

Required to Graduate: **69 credit hours**

General Education Requirement: **27 credit hours**

Additional or specific requirements include:

Social and Behavioral Sciences: two additional courses	6 credit hours
Fine Arts: one additional course	3 credit hours

Engineering Requirements: 16 credit hours

Chm 101	General Chemistry I	3
Chm 101L	General Chemistry I Lab	1
Chm 102	General Chemistry II	3
Chm 102L	General Chemistry II Lab	1
PhS 201	General Physics I	3
PhS 201L	General Physics I Lab	1
PhS 202	General Physics II	3
PhS 202L	General Physics II Lab	1

Related Subject Requirements: 18 credit hours

CS 110	Programming I	3
Mth 211	Calculus I	4
Mth 212	Calculus II	4
Mth 213	Calculus III	4
Mth 305	Differential Equations	3

Electives: To total 69 credit hours
(Some engineering fields have additional requirements that should be taken rather than general interest courses.)

Computer Competency is met through CS 110.

A. S. DEGREE WITH A MAJOR IN ENGINEERING TECHNOLOGY

Required to Graduate: 63 credit hours

General Education Requirement: 27 credit hours

Additional or specific requirements include:

Social and Behavioral Sciences: choose three disciplines from among history, sociology, psychology, political science, and economics.

Technical Area Requirements: 25 credit hours

Chemical Technology:

Chm 101	General Chemistry I	3
Chm 101L	General Chemistry I Lab	1
Chm 102	General Chemistry II	3
Chm 102L	General Chemistry II Lab	1
Chm 205	Analytical Chemistry	3
Chm 205L	Analytical Chemistry Lab	1
Chm 301	Organic Chemistry I	3
Chm 301L	Organic Chemistry I Lab	1
PhS 100	Introduction to Physics	3
Phs 105	Introduction to Geology OR	
Phs 104	Astronomy	3
Elective in Physics or Chemistry		3

Related Subject Requirements: 7 credit hours

CS 110	Programming I	3
Mth 211	Calculus I	4

Electives: To total 63 credit hours

(In consultation with an academic advisor, choose electives in support of career objectives or personal interests.)

Computer Competency is met through CS 110.

ENGLISH

The study of literature and language encourages clarity and originality of thought and expression, and fosters the growth of individual moral and aesthetic judgment. Brescia English majors are employed in a variety of satisfying careers, including teaching, public relations, creative writing, college administration, business, library science, and law. Activities open to all students and sponsored by English faculty include the Ichabod Society and the Brescia Writers Group, which publishes an annual literary journal. An emphasis in Professional Writing is available within the Bachelor of Arts Degree in English. Minors in English and Professional Writing as well as a Middle Grades Teaching Area and Secondary Certification in English are also offered.

B. A. DEGREE WITH A MAJOR IN ENGLISH

Required to graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Major Subject Requirements: **27 credit hours**

Eng 204	Introduction to Literature	3
Eng 321	English Literature I	3
Eng 322	English Literature II	3
Eng 341	American Literature I	3
Eng 342	American Literature II	3
	Advanced Literature (400-level)	6

Choose two of the following:

Eng 300	Advanced Writing	(3)
Eng 301	Creative Writing	(3)
Eng 306	Linguistics (required for certification)	(3)
Eng 390	Advanced Grammar and Editing	(3)

Major Subject Electives: **9 credit hours**

Recommended:

Eng 432	Shakespeare	3
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Electives: To total 128 credit hours

Computer Competency is met through Eng 102.

B. A. DEGREE WITH A MAJOR IN ENGLISH: EMPHASIS IN PROFESSIONAL WRITING

The Emphasis in Professional Writing is designed to prepare students for careers in journalism, public relations, and communications. Any students interested in pursuing graduate studies after college, especially in fields such as business, social sciences, social work, law, and the sciences may be interested in completing a minor in professional writing to prepare them for success in graduate school. Course work in this area has broad-based applications to virtually every career and will prepare students who complete course work in this field with essential communication skills for the work place of the 21st century.

Required to Graduate:	128 credit hours
General Education Requirement:	57 credit hours
Major Subject Requirements:	

Literature:		21 credit hours
Eng 204	Introduction to Literature	3
Eng 321	English Literature I	3
Eng 322	English Literature II	3
Eng 341	American Literature I	3
Eng 342	American Literature II	3
Advanced Literature (400-level)		6

Writing:	15 credit hours
<i>Choose five courses from the following:</i>	

Eng 292	Introduction to Journalism	(3)
Eng 300	Advanced Writing	(3)
Eng 301	Creative Writing	(3)
Eng 306	Linguistics	(3)
Eng 390	Advanced Grammar and Editing	(3)
Eng 392	Advanced Journalism	(3)
Eng 400	Professional and Technical Writing	(3)
Eng 498	Practicum	(3)

Recommended: Courses in photography and graphic design.

Electives:	To total 128 credit hours
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Computer Competency is met through Eng 102.

ACADEMIC MINOR IN ENGLISH

English Requirement:		24 credit hours
Eng 204	Introduction to Literature	3
Eng 321	English Literature I OR	
Eng 322	English Literature II	3
Eng 341	American Literature I OR	
Eng 342	American Literature II	3
Advanced Literature (400-level)		3

*Choose **one** of the following:*

Eng 292	Introduction to Journalism	(3)
Eng 300	Advanced Writing	(3)
Eng 301	Creative Writing	(3)
Eng 306	Linguistics	(3)
Eng 390	Advanced Grammar and Editing	(3)

English Electives: Upper-division coursework in English	9
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Computer Competency is met through Eng 102.

ACADEMIC MINOR IN PROFESSIONAL WRITING

Minor Subject Requirements:	21 credit hours
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Electives:**15 credit hours***Choose 5 courses from the following:*

Eng 292	Introduction to Journalism	(3)
Eng 300	Advanced Writing	(3)
Eng 301	Creative Writing	(3)
Eng 306	Linguistics	(3)
Eng 390	Advanced Grammar and Editing	(3)
Eng 392	Advanced Journalism	(3)
Eng 400	Professional and Technical Writing	(3)
Eng 498	Practicum	(3)

Electives:**6 credit hours***Choose 2 courses from the following:*

Eng 292	Introduction to Journalism	OR	(3)
Any 300-or 400-level English offering			3

Computer Competency is met through Eng 102.**MIDDLE SCHOOL TEACHING AREA IN ENGLISH****English Requirements:****21 credit hours**

Eng 101	Writing I	3
Eng 102	Writing II	3
Eng 300	Advanced Writing	OR
Eng 301	Creative Writing	3
Eng 306	Linguistics	OR
Eng 390	Advanced Grammar and Editing	3
Eng 341	American Literature I	OR
Eng 342	American Literature II	3
Upper Division English Elective		3
Upper Division Literature Elective		3

Related Subject Requirement:**3 credit hours**

Edu 315	Adolescent Literature	3
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Computer Competency is met through Edu 246.**ENGLISH COURSE DESCRIPTIONS****GER Approved Course***Eng 010 Basic English***3 credit hours*

Designed to prepare the student for college composition through grammar and usage drill, frequent writing exercises, and required tutorial sessions. A grade of “C” is required for entrance into Eng 101.

Eng 101 Writing I3 credit hours*

Through discussions, conferences, frequent practice and peer review this course helps students develop the ability to communicate their thoughts and experiences in writing that is clear and interesting. *Prerequisite: ACT English score of 18 or higher.*

Eng 102 Writing II3 credit hours*

While refining the skills developed in Writing I, this course emphasizes argumentation

through library research. *Prerequisite: Eng 101.*

Eng 199 Independent Study 1-4 credit hours

This course number is used to designate a course that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

***Eng 201 Introduction to Fiction** 3 credit hours

A study of the elements of fiction, including both short fiction and the novel. *Prerequisites: English 101 and 102. May not be taken for English major credit without advisor approval.*

***Eng 202 Introduction to Poetry** 3 credit hours

An examination of the elements of poetry through discussion and analysis of representative poetic works. *Prerequisites: English 101 and 102. May not be taken for English major credit without advisor approval.*

***Eng 203 Introduction to Drama** 3 credit hours

A survey of drama as a literary form from its beginnings to the present day. *Prerequisites: English 101 and 102. May not be taken for English major credit without advisor approval.*

***Eng 204 Introduction to Literature** 3 credit hours

An introduction to the principal forms of literature — fiction, poetry, and drama — through study of selected works. *Prerequisites: English 101 and 102.*

Eng 292 Introduction to Journalism 3 credit hours

News, feature, and opinion writing; design and layout; production of Brescia *Broadcast*. *Prerequisites: Eng 101 and 102.*

Eng 300 Advanced Writing 3 credit hours

Students review and polish writing skills and explore various forms of writing, including writing about self and others, social commentary, writing about education, sports, literature, film and television, and science and technology. Some assignments include research. Open to all students; especially recommended for students pursuing graduate or professional studies. *Prerequisites: Eng 101, 102, and 200-level literature.*

Eng 301-4 Creative Writing 3 credit hours each

Recommended for English majors and minors and anyone with an interest in producing creative writing. The focus of instruction is on techniques of fiction and poetry writing, but participants are encouraged to pursue whatever type of imaginative writing interests them, from songs to screenplays. The best writings produced each year appear in Brescia's literary magazine, *OPEN 24 HOURS*. *Prerequisites: Eng 101, 102, 200-level literature, and instructor consent.*

Eng 306 Linguistics 3 credit hours

An overview of the study of language, including the nature of human language, its grammatical aspects (phonology, morphology, syntax, semantics, writing), its social and historical aspects (dialect, slang, sexism), and its biological aspects (language acquisition, language and the brain). Designed chiefly to meet Kentucky certification requirement, but open to all interested students. *Prerequisites: Eng 101 and 102.*

***Eng 321 English Literature I** 3 credit hours

A chronological study of the major movements and authors of English literature from Old

English poetry and prose through the major writers of the Eighteenth Century. *Prerequisite: One 200-level literature course.*

***Eng 322 English Literature II** *3 credit hours*

A chronological study of the major movements and authors of English literature from the Romantic era to Victorian and modern writers. *Prerequisite: One 200-level literature course.*

***Eng 341 American Literature I** *3 credit hours*

An introduction to the major American writers from the Puritans to the Civil War era. *Prerequisite: One 200-level literature course.*

***Eng 342 American Literature II** *3 credit hours*

An introduction to the major American writers from the Realists of the post-Civil War era to contemporary authors. *Prerequisite: One 200-level literature course.*

***Eng 350 Contemporary American Literature** *3 credit hours*

A survey of literature (fiction, poetry, drama, non-fiction) written in the Americas since 1950. The focus may differ each time the course is offered, but whatever the focus, the course will make students aware of the variety of important writers currently contributing to our American literary heritage. *Prerequisite: One 200-level literature course.*

***Eng 355 Memoir and Autobiography** *3 credit hours*

This course examines how individuals understand themselves and their worlds by recognizing and recording the narrative flow of their lives. The course studies memoir and autobiography as literary forms, as narratives of peoples' lives, and as revelations of the contexts of those peoples' lives. *Prerequisite: One 200-level literature course.*

***Eng 360 Introduction to Shakespeare** *3 credit hours*

This course offers students an introduction to the language, the historical background, the literary background, and the major themes of Shakespeare's plays. Students will read plays representative of the major divisions of Shakespeare's dramas: history, comedy, tragedy and romance. *Prerequisite: One 200-level literature course.*

***Eng 370 Catholic Writers** *3 credit hours*

This course examines the work of representative authors who view the world from a Catholic perspective.

Eng 390 Advanced Grammar and Editing *3 credit hours*

This course reviews the basic sentence structure of the English language, the principles of sentence formation and combining, the basic rules for punctuation, and the standards for writing correct English prose. Students learn to edit their own writing with a goal to produce clear, correct prose. *Prerequisites: Eng 101 and 102.*

Eng 392 Advanced Journalism *3 credit hours*

Advanced news, feature, and opinion writing; production of the Brescia Broadcast. *Prerequisite: Eng 292.*

***Eng 395 World Mythology** *3 credit hours*

A thematic introduction to the great myths of the world with emphasis upon how they have influenced literature and art. Independent reading and research required. *Prerequisite: One 200-level literature course.*

Eng 396 Women's Literature3 credit hours*

This course focuses on literature written by women of varied nationalities and times. Combining thematic and genre approaches, the course will examine form and craft as well as exploring issues of concern to women (as evidenced in their writing) and understanding the contexts in which these women wrote or write. *Prerequisite: One 200-level literature course.*

Eng 399 Independent Study*1-4 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisites: One 200-level literature course and submission and approval of "Application for Admission to Independent Study."*

Eng 400 Professional and Technical Writing*3 credit hours*

Designed for English majors who want to write professionally and for non-English majors who must write in their careers, Eng 400 focuses on forms of writing which occur in science, business, and industry. The course considers various approaches to technical writing and includes workshops on technical description, document design, graphics/visuals, oral communication, and collaboration. In addition, Eng 400 encourages students to gear assignments/projects to their majors, careers, and/or areas of interest. *Prerequisite: Eng 300 or instructor's consent.*

Eng 413 World Novel*3 credit hours*

Masterpieces of the novel in translation including selections from such writers as Cervantes, Voltaire, Flaubert, Dostoyevsky, and Solzhenitsyn. *Consent of instructor generally required.*

Eng 428 Modern British Fiction*3 credit hours*

A course stressing the aesthetic and thematic developments of the British novel in the late nineteenth and early twentieth century. Authors include Hardy, Conrad, Lawrence, Woolf, Forster, and Waugh. *Consent of instructor generally required.*

Eng 432 Shakespeare*3 credit hours*

A thorough study of Shakespearean drama, including representative major histories, comedies, and tragedies. *Consent of instructor generally required.*

Eng 446 Modern American Fiction*3 credit hours*

This course explores and evaluates the fiction of major American authors from the late nineteenth century to the present, including such writers as James, Drieser, Cather, Hemingway, Fitzgerald, Faulkner, and Steinbeck. *Consent of instructor generally required.*

Eng 448 Contemporary American Novel*3 credit hours*

Major American novelists from 1950 to the present. *Consent of instructor generally required.*

Eng 490 Classical Literature*3 credit hours*

A study of major writings in translation from the Ancient World through the Middle Ages, including Greek and Roman dramatists, Homer and Dante. *Consent of instructor generally required.*

Eng 495 Modern World Literature*3 credit hours*

A survey of the major literary developments of the twentieth century, including such writ-

ers as Eliot, Pirandello, Kafka, Silone, Camus, and Mann. *Consent of instructor generally required.*

Eng 498 Practicum

3 credit hours

English majors and minors use their writing and organizational skills in a supervised work experience. Students work sixty hours a semester, keep a journal and portfolio of their experience, and plan their job or graduate school search. *Prerequisite: Eng 392 or 400.*

Eng 499 Readings in Literature

1-3 credit hours

An individually designed reading list to bridge gaps in a student's knowledge of language and literature.

FIRST YEAR EXPERIENCE (FYE)

The Brescia University First Year Experience (FYE) program serves first-time, full-time freshmen who have begun their college experience within five years of their high school graduation. FYE students enjoy an expanded orientation experience, participate in the two academic courses described below, and involve themselves in extensive co-curricular and service activities and opportunities.

BU 101

1 credit hour

BU 101 is designed as an extended orientation program, exposing first-year participants to a variety of experiences, materials, lectures, discussions, and activities that will enhance student learning by enhancing student engagement.

BU 102

1 credit hour

BU 102 builds on the BU 101 experience, enhancing academic engagement and performance; furthering greater engagement in University life; and developing a connection, pride, and identification with the University's mission, tradition, and culture. *Prerequisite: BU 101.*

FRENCH

Courses in modern languages help equip students to function in an increasingly global society. Courses in French satisfy the Modern Languages General Education Requirements.

FRENCH COURSE DESCRIPTIONS

*GER Approved Course

***Frn 101 Elementary French I**

3 credit hours

An introduction to the language with stress on the aural-oral values of the language, including dialogue phonetics, grammar, diction, and laboratory work.

***Frn 102 Elementary French II**

3 credit hours

Part Two of the introduction to the language with stress on its aural-oral values, including dialogue phonetics, grammar, diction, and laboratory work. *Prerequisite: Frn 101.*

***Frn 201 Intermediate French I**

3 credit hours

Training in aural-oral values of the language, composition and conversation, grammar, and laboratory work. *Prerequisite: Frn 102 or equivalent.*

Frn 202 Intermediate French II3 credit hours*

A continuation of Frn 201, with further training in aural-oral values of the language, composition and conversation, grammar, and laboratory work. Reading and analysis of texts will be included. *Prerequisite: Frn 201 or equivalent.*

Frn 399 Independent Study*1-3 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Frn 202 or equivalent and submission and approval of "Application for Admission to Independent Study."*

GEOGRAPHY

Students preparing to function in the modern world must have a broad understanding of global cultures and resources; the study of geography helps prepare globally literate citizens. Courses in geography are also offered in support of the teacher certification programs in Elementary Education and Special Education, and in the Middle School and Secondary Social Studies programs.

GEOGRAPHY COURSE DESCRIPTIONS**Geo 211 World Geography I***3 credit hours*

This course is a survey in general geography designed to describe the earth's topography, political, and cultural divisions.

Geo 212 World Geography II*3 credit hours*

This course continues the survey in general geography designed to describe the earth's topography, political, and cultural divisions.

GRAPHIC DESIGN

The Graphic Design program is an art major concentrating on skills and creative problem solving appropriate to the design and advertising field. Current professional software packages are utilized to complete projects based on client criteria and marketing concepts. Design elements include but are not limited to typography, print media, website design and hosting, and digital animation. The Graphic Design program is supported by fine art foundation classes and electives.

B. A. DEGREE WITH A MAJOR IN GRAPHIC DESIGN

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Major Subject Requirements: **48 credit hours**

Art 101, 202, 303	Drawing I, II, & III	3, 3, 3
Art 111, 211	Design I & II	3, 3
Art 160	Basic Photo I	3
Art 210, 316, 414	Graphic Design I, II, & III	3, 3, 3
Art 280	History of Art I	3
Art 281	History of Art II	3
Art 315	Computer Graphics I	3

Art 317	Computer Graphics II	3
Art 331	Painting	3
Art 350	Printmaking I <i>OR</i>	
Art 351	Printmaking II	3
Art 499	Professional Practices Seminar	3

Major Subject Electives: (upper division)

9 credit hours

Electives:

To total 128 credit hours

Computer Competency is met through Art 315 or Art 317.

Graphic Design Course Descriptions are found within “Art Course Descriptions.”

HISTORY

History is a basic discipline in any liberal arts education, with its goal to help us understand the development of the cultures, societies, and ideas that have formed the world we live in. In addition, the study of history provides a solid foundation for a variety of careers, including law, teaching, journalism, and government.

The Bachelor of Arts degree may be earned with a major in history; a minor is also offered. Students planning to major in history must complete twelve credit hours of history before making application for the major. As a general rule, upper-division courses are offered every other year. Introductory courses are offered every year.

B. A. DEGREE WITH A MAJOR IN HISTORY

Required to Graduate:

128 credit hours

General Education Requirement:

57 credit hours

Major Subject Requirements:

15 credit hours

His 101	Survey of World Civilization I	3
His 102	Survey of World Civilization II	3
His 201	History of the United States I	3
His 202	History of the United States II	3
His 499	History Seminar	3

Major Subject Electives:

24 credit hours

Eight (8) additional courses from the list below must be taken, seven (7) of which must be upper-division (300–400 level). To insure a well-rounded major, a student must take at least one upper-division course in each of these categories:

- (1) U.S. History
- (2) Western European History
- (3) Non-Western History (Latin America, Russia, Third World)

History 341 may not be taken to satisfy category (1). Unless the advisor, in consultation with the student, gives permission to do otherwise, upper-division courses for a major and a minor will be taken after the introductory courses are completed.

His 311	Diplomatic History of the U.S. to 1914	(3)
His 312	Diplomatic History of the U.S. since 1914	(3)
His 316	England: 1485-1815	(3)
His 317	History of Russia to 1917	(3)
His 318	19 th Century Europe	(3)
His 320	Europe Since 1914	(3)

His 330	History of Women in America	(3)
His 332	The Middle East	(3)
His 333	History of Ancient Greece and Rome	(3)
His 334	History of the Renaissance and Reformation	(3)
His 339	History of Christianity to 1648	(3)
His 340	Religious History of the American People	(3)
His 341	History of Kentucky	(3)
His 342	Latin America Since Independence	(3)
His 399	Independent Study	(3)

Electives:

To total 128 credit hours

Computer Competency is met through IdC 100.

ACADEMIC MINOR IN HISTORY

A student wishing to minor in history must take the four introductory courses (His 101, 102, 201, 202) and an additional twelve credit hours, at least nine of which must be on the upper-division level. A student must take at least one upper-division course in two of the categories listed above.

HISTORY COURSE DESCRIPTIONS

*GER Approved Course

***His 101 Survey of World Civilization I** *3 credit hours*

The development of the world civilizations from the earliest times to the Age of Exploration, emphasizing the main events, people, and ideas shaping each civilization and the corresponding events and ideas in the non-Western world and the inter-relationships among these various civilizations.

***His 102 Survey of World Civilization II** *3 credit hours*

The development of the world civilizations from the Age of Exploration to the present, emphasizing the main events, people, and ideas shaping each civilization and the corresponding events and ideas in the non-Western world and the inter-relationships among these various civilizations.

***His 201 History of the United States I** *3 credit hours*

Social, cultural, and political history of the United States from colonial times to the Civil War.

***His 202 History of the United States II** *3 credit hours*

Social, cultural, and political history of the United States from the Civil War to the present.

***His 311 Diplomatic History of the U.S. to 1914** *3 credit hours*

Major issues in U.S. diplomatic history from the American Revolution to the eve of World War I; emphasis on American expansion and rise to world power. *Prerequisite: Sophomore status or permission of instructor.*

***His 312 Diplomatic History of the U.S. Since 1914** *3 credit hours*

Analysis of major problems and issues in U.S. diplomatic history from 1914 to the present. Topics include U.S.-Soviet relationship; American response to revolutions in Russia, China, and Mexico; the Vietnam War; American policy in the Middle East and Central America. *Prerequisite: Sophomore status or permission of instructor.*

His 316 England: 1485-18153 credit hours*

A study of the Renaissance and Reformation in England; the emergence of England as a first-rate colonial and political power. *Prerequisite: Sophomore status or permission of instructor.*

His 317 History of Russia to 19173 credit hours*

Covers the social, political, economic, and cultural development of Russia from earliest times to 1917. Particular consideration is given to Russian expansionism, the rise of absolutism and of serfdom, and the impact on Russia of various foreign cultures; Byzantine, Mongol, and Western. *Prerequisite: Sophomore status or permission of instructor.*

His 318 19th Century Europe3 credit hours*

A study of the political, social, and cultural development of Europe from the fall of Napoleon to 1914. Topics include ideological struggles, liberalism versus conservatism, nationalism, unification of Germany and Italy, industrialization, response of intellectuals to industrialization, expansion of Europe overseas, the Age of Bismarck, and alliance systems. *Prerequisite: Sophomore status or permission of instructor.*

His 320 Europe Since 19143 credit hours*

Analysis of Europe from 1914 to the present day. Topics include the world wars, rise of fascism and communism, revolution in Russia, intellectual and cultural developments, the collapse of communism and of the Soviet Union, the Common Market, and prospects for European unity. *Prerequisite: Sophomore status or permission of instructor.*

His 330 History of Women in America3 credit hours*

Analysis of the various roles women have played in American life from colonial times to the present and of the ideas and theories regarding women's proper place. *Prerequisite: Sophomore status or permission of instructor.*

His 332 The Middle East3 credit hours*

This course covers the history of the Middle East from the rise of Islam to the present day. Topics include the life and teaching of Muhammad, Islamic Civilization, the Christian West and Islam, rise of nationalism, Israel, modernization, terrorism, and current issues. *Prerequisite: Sophomore status or permission of instructor.*

His 333 History of Ancient Greece and Rome3 credit hours*

A survey of Greek and Roman history from the beginning in Ancient Greece through the Christianizing of the Roman Empire. Emphasis on political and cultural evolution. *Prerequisite: Sophomore status or permission of instructor.*

His 334 History of the Renaissance and Reformation3 credit hours*

Culture and society in Europe between 1300-1600. Topics include problems of the medieval church and state, the waning of the Middle Ages, artistic achievements, early voyages of discovery, the Protestant Revolt, and the Catholic Counter Reformation. *Prerequisite: Sophomore status or permission of instructor.*

His 339 History of Christianity to 16483 credit hours*

Survey of Christianity from apostolic times through the Reformation with particular emphasis on the role of Christianity in the political, cultural, and moral development of the West. Topics include the early Church Fathers, impact of Islam, medieval papacy, Luther, and Calvin. *Prerequisite: Sophomore status or permission of instructor.*

***His 340 Religious History of the American People** 3 credit hours

A study of historical origins and development of religion in America from colonial times to the present. Major themes include successive immigrant groups and their religious beliefs, leaders, and institutions; the response of religion to major problems in American history; and the development of mainstream and marginal religious movements. *Prerequisite:* *Sophomore status or permission of instructor.*

His 341 History of Kentucky 3 credit hours

This course is divided into two parts: a study of the social and physical geography of the seven regions of Kentucky and of the development of each region and its unique culture; and the history of the state of Kentucky from pre-Revolutionary War explorations to the present. Special emphasis is placed on the skills and knowledge for elementary teachers of Kentucky history. *Prerequisite:* *History 201 or 202.*

***His 342 Latin America Since Independence** 3 credit hours

A study of Latin America in the 19th and 20th centuries with special emphasis on Central America, Argentina, Mexico, and Brazil. Topics include the Spanish heritage, the achievement of independence, the quest for identity after independence, democracy vs. authoritarianism, and economic dependence and modernization. *Prerequisite:* *Sophomore status or permission of instructor.*

His 399 Independent Study 1-4 credit hours

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite:* *Submission and approval of "Application for Admission to Independent Study."*

His 495 Practicum 3 credit hours

Students apply their knowledge and skills in a supervised off-campus setting such as museum, archives or government agency. The student works a designated number of hours for the semester, meets regularly with the area coordinator and submits written materials reflecting her/his work experience. *Prerequisite:* *Junior status or permission of instructor.*

His 499 History Seminar 3 credit hours

This is a required capstone course for history majors. Students read and discuss historical works, present a research paper, and master research skills including the use of computer resources. *Prerequisite:* *Senior status or permission of instructor.*

HONORS PROGRAM

Purpose: The Honors Program at Brescia University is intended to challenge and recognize talented and motivated students.

Goal: Through the Program, students will participate in a range of multidisciplinary experiences aimed at extending their intellectual capabilities and developing public speaking and research skills needed for personal enrichment and/or graduate study.

Objectives: To enhance the academic program and promote the image of Brescia University by making available a structured, quality, credit-bearing Honors Program, and to challenge academically-talented students to think creatively, analyze rationally, and communicate effectively across the curriculum.

To achieve these objectives, students will:

- engage in special projects requiring ability to perceive, analyze, synthesize, and communicate;
- participate in courses and seminars that require group process and leadership skills;
- become active participants in societal issues and concerns; conduct research and report findings;
- develop a community of students engaged in intellectual discussion.

Honors Track Designation: Incoming students meeting the following criteria below will be designated as in the Honors Track at Brescia:

1. Full-time student;
2. At least a 25 score on the ACT and a 3.5 or above GPA, or have a GED score of 270 and have a 3.5 GPA;
3. Cumulative GPA of 3.5 or higher as student progresses in ongoing enrollment at Brescia.

Admission into Brescia's Honors Program: Students who have either a 25 on the ACT or a 3.5 GPA, or a 270 score on the GED may apply for admission into the Honors Program.

Program Structure and Activities: Over a four-year degree cycle, Honors Students will participate in

- A one-credit Honors Program orientation (IdC) course;
- Four three-credit Honors Track courses:
 - Cultural Appreciation
 - Theology/Philosophy
 - Oral Communication
 - Written Communication
- A three-credit upper-division Research Methods course;
- A three-credit upper-division Honors Seminar on various multicultural topics, with the option of presenting student research to a broader audience;
- Optional on- and off-campus co-curricular activities and opportunities.

Honors Housing: Eight to ten full time freshmen may make application to reside in the designated Honors House on campus.

Credit: All credits and grades earned in the Honors Program will be listed on the transcript as Honors course work. Students who complete the nineteen-credit program will be recognized as Brescia Honors Scholars at the Honors Convocation and at graduation.

HONORS COURSE DESCRIPTIONS

In addition to Honors Track courses in cultural appreciation, theology/philosophy, oral communication, written communication, and research methods, the following Seminar course will provide the capstone for the Honors Program:

IdC 499 Honors Seminar

3 credit hours

This capstone course ties together the structure and activities of the Honors Program, with a special focus on multicultural topics. Students may complete a major research project and present their findings at an open forum.

HUMAN SERVICES

Human Services is the study and provision of human and social services to individuals and communities. The Human Services associate degree prepares students for entry-level positions in a variety of human service agencies. Students will acquire skills needed to work with individuals, groups, and communities and learn to work with people of diverse racial, ethnic, and cultural backgrounds. Major subject requirements are in the fields of sociology, psychology, biology, and social work. Majors should contact the Area Coordinator.

A. A. DEGREE WITH A MAJOR IN HUMAN SERVICES

Required to Graduate: **63 credit hours**

General Education Requirement: **27 credit hours**

Additional or Specific Requirements for the Major:

Bio 100	Introduction to Biology	3
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Social and Behavioral Sciences: **18 credit hours**

Soc 204	Principles of Sociology	3
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SW 280	Introduction to Social Work	3
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SW 310	Social Issues in Diversity	3
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Psy 105	Introduction to Psychology	3
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Psy 300	Developmental Psychology	3
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One additional course in Economics, History, or Political Science		3
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Career Electives: **6 credit hours**

Must be two courses in the same discipline (beyond GER requirements) appropriate to student career aspirations, such as Addictions Counseling, Biology, Business, Education, Modern Foreign Language, or Philosophy/Theology.

Electives: To total 63 credit hours

Computer Competency is met through CS 107 and IdC 100.

INTEGRATED STUDIES

The purpose of the Integrated Studies major is to offer students the freedom and responsibility to develop individualized programs. This major provides a broader and more flexible educational experience than traditional programs. It also provides an opportunity for students to concentrate on a combination of areas that Brescia University may or may not offer as individual majors. Upon completion of Integrated Studies requirements, the B.A. or B.S. degree is conferred according to the University standards for those degrees. Student advising for the Integrated Studies degree is done in consultation with appropriate area advisors.

Because of its interdisciplinary nature, the Integrated Studies major cannot be awarded simultaneously with a major or minor in a separate academic area.

B. A. or B. S. DEGREE WITH A MAJOR IN INTEGRATED STUDIES

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Areas of Concentration: **48 credit hours**

A total of forty-eight credit hours in 200-400 level courses are to be distributed over two–three selected areas of concentrated study; of these, a minimum of thirty credit hours must

be at the 300-400 level. At least fifteen (15) credit hours must be taken in each area of concentration, and no more than thirty (30) credit hours may be taken in any one discipline. During the final semester of coursework, the student must submit a paper to the faculty advisor and to a faculty member from one of the chosen areas of concentration, demonstrating appropriate coursework integration. Students should consult the Integrated Studies advisor for deadlines for paper submission and more specific guidelines for its content.

Electives:

To total 128 credit hours

Computer Competency is met normally through three of the following: IdC 100, CS 107, 108, 109. With advisor approval, any appropriate computer competency listed for another major in this *Catalog* may be substituted.

INTERDISCIPLINARY COURSE DESCRIPTIONS

*GER Approved Course

IdC 009 Reading Across the Curriculum *3 credit hours*

Students improve reading comprehension by reading, analyzing, and responding to material from a variety of college disciplines (sociology, psychology, history, business, science, literature). The course teaches how to identify main ideas and supporting information, how to chart, diagram, and map significant ideas, and how to prepare information for exam review. As the course progresses, students should experience improvement in reading comprehension, reading speed, vocabulary, and study skills.

***IdC 100 Introduction to Information Resources** *1 credit hour*

The online information literacy skills course is designed to acquaint students with the organization of the Fr. Leonard Alvey Library; to provide instruction in the efficient use of the online catalog, reference sources, electronic databases; and to offer techniques in developing search strategies for research topics.

***IdC 389 Aesthetics and Ethics** *3 credit hours*

This course treats the relationship between aesthetics and ethics using a seminar format that helps the student to explore the perennial questions that arise from a consideration of the relationship between art and ethics. Such questions include: What is art? Can art be immortal? and How does art contribute to human progress? *Prerequisite: Junior status.*

IdC 399 [formerly 199] Independent Study *1-3 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

IdC 499 Honors Seminar *3 credit hours*

This capstone course ties together the structure and activities of the Honors Program, with a special focus on multicultural topics. Students may complete a major research project and present their findings at an open forum.

LIBERAL ARTS

A. A. DEGREE WITH A MAJOR IN LIBERAL ARTS

Required to Graduate:

63 credit hours

General Education Requirement:**42 credit hours****Language and Literature:**

Eng 101	Writing I	3
Eng 102	Writing II	3

(Students who receive Advanced Placement Credit in English may fulfill their six-hour writing requirement by taking either Eng 101 and Eng 102

OR Eng 102 and one of the following: Eng 292, Eng 300, or Eng 301.)

Literature	3
Modern Language	3
Speech	3

Religion and Philosophy:

Theology	6
Philosophy	3

Fine Arts:

Art or Music or Theatre Appreciation	3
Fine Arts Elective	3

Natural Science and Mathematics:

Mathematics	3
Science	3

Social and Behavioral Sciences:

History	3
Psychology or Sociology	3

Electives:

To total 63 credit hours

Computer Competency is met through three of the following: CS 107, CS 108, or IdC 100.

MATHEMATICS

The mathematics curriculum at Brescia University combines concern for maximizing the learning of each individual and an interdisciplinary approach into a program that balances traditional mathematical theory, creative problem solving processes, and development of applied models to solve real problems. It prepares students for meaningful careers in both industry and teaching, or for graduate study. The Bachelor of Science in Mathematics is offered, as well as a minor in mathematics.

B. S. DEGREE WITH A MAJOR IN MATHEMATICS**Required to Graduate:****128 credit hours****General Education Requirement:****57 credit hours****Major Subject Requirements:****24 credit hours**

Mth 211	Calculus I	4
Mth 212	Calculus II	4
Mth 213	Calculus III	4
Mth 308	Linear Algebra	3
Mth 310	Geometry	3
Mth 313	Probability and Statistics OR	
BAd 318	Business Statistics	3
Mth 497	Senior Seminar I	1

Mth 498	Senior Seminar II	1
Mth 499	Senior Project	1

Major Subject Electives: 15 credit hours

Select at least one of the following courses:

Mth 320	Graph Theory	(3)
Mth 400	Modern Algebra	(3)
Mth 405	Advanced Calculus	(3)

Select at least one of the following, with not more than two courses from outside the mathematics area:

Chm 350	Physical Chemistry	(3)
CS 350	Problems and Modeling	(3)
Eco 418	Mathematical Methods in Economics	(3)
Mth 305	Differential Equations	(3)
Mth 340	Numerical Analysis	(3)
Mth 350	Math History	(3)
Mth 415	Operations Research	(3)
PsS 300	Modern Physics	(3)
PhS 303	Analytical Mechanics	(3)
PhS 305	Theory of Electricity and Magnetism	(3)
PhS 350	Thermodynamics	(3)

Related Subject Requirements: 6 credit hours

CS 110	Programming I	3
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Select three credit hours from the following courses: 3

CS 107	Electronic Spreadsheets	(1)
CS 108	Internet Technology	(1)
CS 109	Databases	(1)
CS 112	Programming II	(3)
CS 340	Programming Languages	(3)
Edu 246	Microcomputing in the Classroom	(3)

Electives: To total 128 credit hours

Computer Competency is met through CS 110.

ACTUARIAL SCIENCE

Students wishing to be actuaries should select Mth 340 and Mth 415. Additional information is available from the Mathematics Department.

ACADEMIC MINOR IN MATHEMATICS

Minor Subject Requirements: 27 credit hours

The mathematics minor consists of the same core courses as the mathematics major, excluding the senior seminars and senior project. In addition, one mathematics course from the major subject electives list must be taken, as well as CS 110.

MIDDLE SCHOOL TEACHING AREA IN MATHEMATICS

Mathematics Requirements: 13 credit hours

Mth 204	Fundamentals of Math for Elementary Teachers II	3
Mth 211	Calculus I	4
Mth 310	Geometry	3

Mth 250	Statistics for Social Sciences	OR	
Mth 313	Probability and Statistics		3

Related Subject Requirements:**12–14 credit hours***Select four of the following:*

CS 110	Programming I	(3)
CS 350	Problems and Modeling	(3)
CS 370	Networking	(3)
Mth 111*	College Algebra and Trigonometry I	(3)
Mth 112*	College Algebra and Trigonometry II	(3)
Mth 212	Calculus II	(4)
Mth 213	Calculus III	(4)
Mth 308	Linear Algebra	(3)
Mth 350	History of Mathematics	(3)

*Students may not select Mth 111 and Mth 112 after completing Mth 211.

MATHEMATICS COURSE DESCRIPTIONS

*GER Approved Course

Mth 005 Basic Math I *3 credit hours*

In this course, a student 1) develops a fundamental competency in computations using whole numbers, fractions, decimals, and percentages; 2) is introduced to real numbers and algebraic expressions; 3) solves one variable linear equations and inequalities; 4) graphs linear equations in two variables including slope and intercept form; and 5) solves problems involving the graphing of inequalities in two variables. Does not apply toward degree requirements. A grade of “C” or better is required to enroll in Mth 006. Tutorial sessions required. *Prerequisite: ACT math score below 19.*

Mth 006 Basic Math II *3 credit hours*

In this course, the student 1) learns to solve systems of equations and inequalities; 2) finds perimeters, areas, surface areas, and volumes of geometric figures; 3) manipulates polynomials including factoring and solving equations; 4) simplifies and solves rational expressions and equations; and 5) simplifies and solves quadratic expressions and equations. A grade of “C” or better is required to enroll in a college algebra or equivalent course. Tutorial sessions required. *Prerequisite: Mth 005 or ACT math score below 19.*

***Mth 101 Mathematics for Liberal Arts** *3 credit hours*

A brief survey of mathematical topics that have shaped and continue to shape our lives. The course emphasizes individual development in three areas: proficiency in basic skills and calculations, interpretation and appreciation of mathematical applications, and enhancement of quantitative reasoning and problem solving abilities. *Prerequisite: Math ACT 19 or above, or Mth 006.*

***Mth 102 Mathematics and Truth** *3 credit hours*

Mathematics offers many insights into truth — from mathematical methodology to mathematical application. This course examines the interplay of mathematics and truth from a variety of perspectives: historical, scientific, and philosophical. *Prerequisite: Math ACT 19 or above, or Mth 006.*

***Mth 103 Discrete Mathematics** *3 credit hours*

This course provides an introduction to discrete mathematics, including discussion of sets, integers, properties of integers, graphs, trees, discrete probability, Boolean algebra, and logical structures. *Prerequisite: Math ACT 19 or above, or Mth 006.*

***Mth 111 College Algebra and Trigonometry I** *3 credit hours*

College algebra from the perspective of functions: linear, quadratic, polynomial, rational, exponential, and logarithmic expressions and equations. This course is the intended preparatory course for more advanced study in mathematics — particularly calculus. *Prerequisite: Math ACT 19 or above, or C or better in Mth 006.*

***Mth 112 College Algebra and Trigonometry II** *3 credit hours*

This course focuses primarily on topics from trigonometry: angles, the trigonometric functions, properties and graphs of trigonometric functions, trigonometric identities, and applications of trigonometry. It is the intended preparatory course for more advanced study in mathematics — particularly calculus. *Prerequisite: Mth 111 or permission of instructor.*

***Mth 113 Survey of Calculus** *3 credit hours*

The course introduces students to differential and integral calculus. *Prerequisite: Mth 111 or equivalent, or permission of instructor.*

**Mth 203 Fundamentals of Mathematics for
Elementary Teachers I** *3 credit hours*

Designed for Elementary Education majors, this course explores the development of the basic structures and relationships of mathematics as they are relevant to the elementary school curriculum. *Prerequisite: Math ACT 19 or Mth 006.*

***Mth 204 Fundamentals of Mathematics for
Elementary Teachers II** *3 credit hours*

This course — designed for Education majors — carefully reviews basic algebra and geometry and prepares the student to graph various types of functions and relations. It requires the student to learn many problem-solving techniques. A required writing assignment helps the student to learn how to synthesize ideas and concepts and present them in an organized manner. *Prerequisite: Mth 203 or permission of instructor.*

***Mth 211 Calculus I** *4 credit hours*

In-depth coverage of calculus appropriate for study in mathematics, science, engineering, or other quantitative disciplines. Covers functions, limits, derivatives, applications of derivatives, and foundations of integral calculus. *Prerequisites: Background equivalent to one year of college algebra and trigonometry. An ACT math score of at least 24 is recommended for students not taking the Mth 111–112 sequence prior to Mth 211.*

***Mth 212 Calculus II** *4 credit hours*

In-depth coverage of calculus appropriate for study in mathematics, science, engineering, or other quantitative disciplines. Covers integration techniques, applications of integration, sequences and series, and polar coordinates. *Prerequisite: Mth 211.*

Mth 213 Calculus III *4 credit hours*

In-depth coverage of calculus appropriate for study in mathematics, science, engineering, or other quantitative disciplines. Covers 3-dimensional geometry and extends ideas of calculus into higher dimensional settings. *Prerequisite: Mth 212.*

Mth 250 Statistics for Social Sciences *3 credit hours*

An introduction to statistical concepts and communications used in social science research at both the descriptive and inferential level in preparation for Psy 405, 410, and Soc 324.

Prerequisite: Mth 101, 102, 103, or 111.

Mth 305 Differential Equations *3 credit hours*

A study of the techniques, history, and applications of ordinary and partial differential equations. Topics included are linear equations, infinite series solutions, systems of linear equations, numerical techniques, and partial differential equations. *Prerequisite: Mth 213.*

Mth 308 Linear Algebra *3 credit hours*

Geometric vectors, vector spaces, inner products, linear transformations, matrices with applications to solutions of systems of equations, linear transformations, and determinates.

Prerequisite: Mth 211.

***Mth 310 Geometry** *3 credit hours*

A study of congruence, parallelism, polygonal regions, inequalities, similarity, construction, projections, loci, and area and volume functions in Euclidean geometry and non-Euclidean geometries.

Mth 313 Probability and Statistics *3 credit hours*

Probability axioms, discrete and continuous distributions, expectation, multivariate distributions, estimation, hypothesis testing, regression analysis, and analysis of variance. *Prerequisite: Mth 213.*

Mth 320 Graph Theory *3 credit hours*

A study of graphs, digraphs, connectivity, trees, and maps with applications to advanced chemistry, biology, computer science, and operations research. *Prerequisite: Mth 212.*

Mth 340 Numerical Analysis *3 credit hours*

Numerical representation, solution of single non-linear equations, linear equations, interpolation, and approximations of numerical methods of integration. *Prerequisite: Mth 213.*

Mth 350 History of Math *3 credit hours*

The course objectives include the following four points: 1) developing a fundamental understanding of the evolution of mathematical thought during the last three thousand years; 2) learning the names, mathematical accomplishments, and thought processes of the great mathematicians of history; 3) developing proficiency in reading the works of the great mathematicians; 4) developing the ability to present modules of information about mathematics effectively to the class. *Prerequisite: Mth 211.*

Mth 399 Independent Study *1-4 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Mth 400 Modern Algebra *3 credit hours*

An exposition of the structure of algebra through an examination of these structures: groups, rings, fields, and integral domains. Applications to theoretical computer science, biology, and chemistry. *Prerequisite: Mth 213.*

Mth 405 Advanced Calculus *3 credit hours*

The retical development of the foundations of calculus through the study of set theory, real numbers, metric spaces, Euclidean spaces, continuity, differentiation, integration, infinite series, and series of functions. *Prerequisite: Mth 213.*

Mth 415 Operations Research *3 credit hours*

Applications of the scientific method to the optimal management of human-nature-machine systems. Topics included are linear programming, sensitivity analysis, networks, inventory models, queues, integer and nonlinear programming. *Prerequisite: Knowledge of calculus and probability.*

Mth 497 Senior Seminar I *1 credit hour*

This course prepares students for part I of the required Senior Exit Examination by summarizing and reviewing subjects in the Math/CS core program. It also provides a forum for discussion of senior project expectations and progress.

Mth 498 Senior Seminar II *1 credit hour*

This course prepares students for part II of the required Senior Exit Examination by summarizing and reviewing advanced Math/CS topics. It also provides a forum for discussion of senior project expectations and progress.

Mth 499 Senior Project *1 credit hour*

This course grants credit for the required senior project in mathematics and/or computer science. The project is to contain original contributions toward solving a substantive problem in the discipline and will be directed by a faculty mentor.

MEDICAL TECHNOLOGY [*see Biology*]

The Bachelor of Science degree is earned with a major in medical technology. Students in this program register with the biology area. The program description for the Medical Technology major is listed under *Biology*.

MODERN LANGUAGES

Brescia University offers students an opportunity to study a modern language, offering a major and minor in Spanish and introductory level courses in French. See the alphabetical listing of individual programs for further information.

MUSIC

The Music Area encourages students in all disciplines to choose music electives for cultural enrichment.

ACADEMIC MINOR IN MUSIC

Music Requirements: **23 credit hours**

Mus 111	Music Theory I	3
Mus 201	History of Music I	3
Mus 211	Music Theory II	3
Mus 301	History of Music II	3

Applied Music I	2 credit hours
Two (2) semesters of 100-level Applied Music	
Applied Music II	2 credit hours
Two (2) semesters of 200-level Applied Music	
Four semesters from Mus 180s Ensemble Performance	4 credit hours
Mus 181 Handbell Choir	1
Mus 186 Choral Ensemble	1
Mus 188 University Band	variable
One upper-level class from the following:	3 credit hours
Mus 305 World Music	(3)
Mus 308 Church Music	(3)
Mus 311 Music Theory III	(3)

MUSIC COURSE DESCRIPTIONS

*GER Approved Course

***Mus 100 Music Appreciation** *3 credit hours*
 A study of music, its literature, its composers; an approach toward intelligent listening.

***Mus 110 Fundamentals of Music** *3 credit hours*
 An introduction to basic musical concepts. Designed for the general student.

Mus 111 Music Theory I *3 credit hours*
 An introduction to the basic materials of music: notation, rhythm, scales, key signatures, intervals, transposition, triads, figured bass, harmonic progression, melody writing, ear training, and sight-singing.

Music 120 Applied Music *1 credit hour*
 Private lessons in strings, brass, woodwinds, percussion, piano, or voice. Thirty minute weekly private lesson. **A fee required.** *Prerequisite: Permission of instructor.*

Mus 124 Applied Strings I — Guitar *1 credit hour*
 Private lessons in guitar. Thirty minute weekly private lesson. **A fee required.** *Prerequisite: Permission of instructor.*

Mus 181 Handbell Choir *1 credit hour*
 Handbell Choir provides an instrumental performance opportunity for the student who may have had no previous ensemble experience. The Handbell Choir performs at functions on and off campus during the academic year.

Mus 186 Choral Ensemble *1 credit hour*
 The choral ensemble is dedicated to the study and performance of a variety of choral literature. Proper vocal production and musicianship are emphasized. The choir serves the University by singing for various functions including student liturgies. Membership is open to all students.

Mus 188 [pilot] University Band *variable credit*
 University Band is dedicated to the study and performance of a variety of instrumental literature. Proper tone and musicianship are emphasized. The band serves the University by

playing for concerts, athletic events, and other functions as requested. Membership is open to all students.

Mus 201 History of Music I 3 credit hours

An historical survey of Western music and cultures: the styles, genres, composers, and works. This survey course will include the music of Greece and the early Christian era through the Baroque period.

Mus 204 Music for Classroom Teachers 3 credit hours

This course helps prepare the classroom teacher to meet the needs of the music program in the elementary school. *Prerequisite: Mus. 110 is highly recommended.*

Mus 211 Music Theory II 3 credit hours

Continuation of Music Theory I with more advanced work in the study of the common practice harmony of the 17th and 18th centuries, four-part writing, cadences, non-harmonic times, harmonic progressions, and seventh chords. *Prerequisite: Mus 111.*

Music 220 Applied Music 1 credit hour

More advanced private lessons in strings, brass, woodwinds, percussion, piano, or voice. Thirty minute weekly private lesson. **A fee required.** *Prerequisite: Permission of instructor.*

Mus 301 History of Music II 3 credit hours

An historical survey of Western music from the Classical era to the present day, focusing in the study of specific forms, instruments, composers, genres, and styles. *Prerequisite: Mus 201.*

***Mus 305 World Music** 3 credit hours

A study of folk music of many lands and cultures, including primarily China, the Middle East, India, Africa, Java, Japan, Polynesia, the Caribbean, Russia, the Americas, and touching on other musical traditions in our one big global village. Common themes to be compared and contrasted in the above musical demography are communication, recreation, religious rites, expression, symbolic structures, ethnic identity, and many other uses of folk music in society. *Prerequisite: Mus 100 or Mus 204.*

Mus 308 History of Church Music 3 credit hours

A historical study of Christian worship practices, including music styles, forms, literature, and composers from ancient times to the present. *Prerequisites: Mus 201 and Mus 202.*

Mus 311 Music Theory III 3 credit hours

Continuation of Music Theory II with more advanced work in the study of chromatic harmony, modulation, and non-tonal harmonic progressions in the Baroque, Classical, and the Romantic periods. Continued work in ear training and sight-singing at each level of study. *Prerequisite: Mus 211.*

Mus 399 Independent Study 1-4 credit hours

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

PASTORAL MINISTRY[see *THEOLOGY with Emphasis in PASTORAL STUDIES*]**PHILOSOPHY**

The philosophy program is offered on an elective basis, its courses being coordinated with the various other disciplines within the University curriculum. The purpose of the philosophy courses is to introduce students to those truths or principles underlying the knowledge they obtain from the study or experience of life. The courses are designed to fulfill the three-hour credit in the General Education Requirements and an academic minor in philosophy.

ACADEMIC MINOR IN PHILOSOPHY**Philosophy Requirements:****15 credit hours**

Phl 103	Introduction to Philosophy	3
Phl 110	Applied Logic	3
Phl 300	History of Philosophy I	3
Phl 301	History of Philosophy II	3
Phl 325	Metaphysics	3

Philosophy Electives:**6 credit hours**

Choose two of the following:

Phl 231	Ethics and Morality	(3)
Phl 346	Business Ethics	(3)
Phl 347	Ethics of Health Care	(3)
IdC 389	Aesthetics and Ethics	(3)
Phl 399	Independent Study	(3)

PHILOSOPHY COURSE DESCRIPTIONS

*GER Approved Course

***Phl 103 Introduction to Philosophy** *3 credit hours*

To philosophize is to wonder about life — about right and wrong, love and loneliness, war and death, freedom, truth, beauty, and time. From a multicultural perspective, this course introduces the student to these and other perennial problems of philosophy, including arguments for God's existence and human free will.

***Phl 110 Applied Logic: Critical Thinking** *3 credit hours*

A skills course designed to teach a student how to present arguments reasonably, think clearly, improve communication skills, avoid fallacies, classify things, connect events, formulate and test hypotheses, and make reasonable decisions.

***Phl 231 Ethics and Morality** *3 credit hours*

This is an introductory course to the field of ethics and its significance for daily life. Major ethical theories — as well as issues in applied ethics — are explored, with a special emphasis on the Catholic moral tradition.

***Phl 300 History of Philosophy I** *3 credit hours*

This course covers Greco-Roman and Medieval philosophy and introduces the student to major philosophers from the Pre-Socratics through Descartes. Reading in primary sources. *Prerequisite: His 101 or 102 recommended.*

Phl 301 History of Philosophy II3 credit hours*

This course covers Modern and Contemporary philosophy and introduces the student to major philosophers from Descartes to Heidegger. Reading in primary sources. *Prerequisite: His 101 or 102 recommended.*

Phl 325 Metaphysics3 credit hours*

This course explores major metaphysical topics such as the origin of the universe, the existence of a human soul in addition to a physical body, and theories of human free will. The student will also consider the dialogue between faith and reason by thinking about the implications of these topics for issues such as the possibility of life after death. *Prerequisite: Junior status; Phl 103 recommended.*

Phl 346 Business Ethics3 credit hours*

This course covers what constitutes good and bad human conduct, including related actions and values, in a business context. A procedure for moral decision-making that synthesizes major ethical theories is presented. *Prerequisite: Junior status or permission of instructor.*

Phl 347 Ethics of Health Care3 credit hours*

This course examines ethical issues that arise in a medical context. Using natural law tradition as a foundation, principles of health care ethics are explored using case studies.

Phl 360 Philosophy of Law*3 credit hours*

This course examines philosophical issues surrounding the law. These include the extent to which laws should restrict the freedom of citizens, the justification of punishment by law, and when, if ever, it may be permissible for citizens to break the law. *Prerequisite: Phl 110 or Phl 231.*

Phl 399 Independent Study*3 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

PHYSICAL EDUCATION

Courses in physical education and health are offered in support of Brescia's holistic concern for its students: body, mind, and spirit. No major or minor is offered.

PHYSICAL EDUCATION COURSE DESCRIPTIONS**PEd 114 Beginning Tennis***1 credit hour*

A course designed to acquaint the student with the fundamentals of tennis, emphasizing proper hitting techniques. Rules and court etiquette are explained, with as much on-court playing and practice as possible.

PEd 120 Bowling*1 credit hour*

A course designed to teach fundamental motor skills of bowling.

PEd 121 Racquetball*1 credit hour*

An activity-oriented course designed to teach the fundamental motor skills of racquetball.

PEd 122 Jogging*1 credit hour*

An activity-oriented course designed to teach the fundamental motor skills of jogging.

PEd 123 Weightlifting*1 credit hour*

An activity-oriented course designed to teach the fundamental motor skills of weightlifting.

PEd 124 Hatha Yoga*1 credit hour*

This course introduces students to yoga, which is a system of physical, spiritual, and mental development.

PEd 125 Physical Fitness for Men and Women (Aerobics)*1 credit hour*

This is an activity-oriented course designed to teach individualized cardiovascular fitness through participation in choreographed dance routines.

PEd 126 Health Issues: Alcohol and Other Drugs*1 credit hour*

Students will discover the risks associated with lifestyle-related health problems (e.g., heart disease and obesity) and how the 'lifestyle risk-reduction model' can alleviate short and long term problems associated with the use of alcohol and other drugs.

PEd 214 Intermediate Tennis*1 credit hour*

Continuation of PEd 114 with emphasis on advanced strokes, drop shots, overhead, half-volleys, and strategy.

PHYSICS AND APPLIED SCIENCE

The objective of the physics program is to provide the related-science major and the non-science major an introduction to physical science.

ACADEMIC MINOR IN PHYSICS

Physics Requirements:**21 credit hours**

PhS 201	General Physics I	3
PhS 201L	General Physics I Lab	1
PhS 202	General Physics II	3
PhS 202L	General Physics II Lab	1
PhS 300	Modern Physics	3
Upper Division Electives		10

Related Subject Requirements:**8 credit hours**

Mth 211	Calculus I	4
Mth 212	Calculus II	4

PHYSICS COURSE DESCRIPTIONS

*GER Approved Course

PhS 100 Introduction to Physics3 credit hours*

A survey of basic physics and properties of matter. Laboratory.

PhS 104 Elements of Astronomy3 credit hours*

An introduction to astronomy, aspects of the sky, earth's motion and time-keeping, the moon, eclipses, and the physical features of planets.

PhS 105 Introduction to Geology3 credit hours*

Introductory course in geology. Earth materials, minerals and rocks, geologic processes,

and basic landforms of the earth. Laboratory includes identification of minerals and rocks and use of geologic maps.

***PhS 110 Integrated Physical Science** *3 credit hours*

This course introduces students to core foundation concepts in physical science, including space science, earth systems, force and motion, and energy (light energy, heat energy, sound energy, electrical energy, and magnetism). Practical hands-on activities will be strongly emphasized.

PhS 201 General Physics I *3 credit hours*

A general course covering mechanics and heat. *Prerequisite: Mth 211.*

PhS 201L General Physics I Lab *1 credit hour*

Generally taken with PhS 201.

PhS 202 General Physics II *3 credit hours*

A continuation of PhS 201 covering electricity, magnetism, light, sound, and selected topics from atomic physics.

PhS 202L General Physics II Lab *1 credit hour*

Generally taken with PhS 202.

PhS 300 Modern Physics *3 credit hours*

Course covers relativity of time, relativity of length, photoelectric effect, line spectra, atomic spectra, lasers, x-ray production, and radioactivity. *Prerequisites: PhS 201 and 202.*

PhS 301 Electric Circuits and Electronics *3 credit hours*

Course covers circuit analysis, active devices, diodes, transistors, rectifiers, power supplies, amplifier circuits. *Prerequisites: PhS 201 and 202.*

PhS 301L Electric Circuits and Electronics Lab *1 credit hour*

Generally taken with PhS 301.

PhS 303 Analytical Mechanics *3 credit hours*

An intermediate course in mechanics stressing problem solving and covering kinematics in one, two, or three dimensions, and the motion of coordinate systems. *Prerequisites: PhS 201 and Mth 212.*

PhS 305 Theory of Electricity and Magnetism *3 credit hours*

A lecture and problem-solving course covering current theory, field concepts, electrostatics, boundary value problems, Ampere's Law, Faraday's Law, and the electromagnetic equations. *Prerequisites: PhS 202 and Mth 213.*

PhS 350 Thermodynamics *3 credit hours*

Elementary principles of thermodynamics: modern theories of atomic and molecular structure; kinetics and various equilibria of chemical importance. *Prerequisites: Four semesters of chemistry; mathematics through calculus; PhS 201 and 202.*

PhS 350L Thermodynamics Lab *1 credit hour*

Generally taken with PhS 350.

PhS 399 Independent Study*1-4 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

POLITICAL SCIENCE

Political science is a study of political philosophies, institutions, associations, and practices. Primary areas of study are political thought, American government and law, public administration, public policy, comparative government, and international relations. The study of political science provides an excellent background for employment opportunities in government; private and nonprofit agencies and organizations on the federal, state, and local levels; social agencies; the law; the fields of public relations and communications; and the teaching profession.

The Bachelor of Arts may be earned with a major in political science; an academic minor is also offered.

B. A. DEGREE WITH A MAJOR IN POLITICAL SCIENCE

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Major Subject Requirements: **18 credit hours**

Pls 200	Introduction to Political Science	3
Pls 201	American Government	3
Pls 215	Introduction to International Relations	3
Pls 310	Public Administration	3
Pls 499	Political Science Seminar	3
Pls 405	Research Methods [OR Psy 405 – <i>Research Methods</i>]	3

Major Subject Electives: **21 credit hours**

At least 18 credit hours – 6 courses – must be at the upper division (300 or 400) level.

Pls 207	Current Political Issues	(3)
Pls 250	The Law and Social Issues	(3)
Pls 302	History of Political Thought	(3)
Pls 303	Comparative Government	(3)
Pls 304	U.S. Foreign Policy	(3)
Pls 311	Ethics in Public Administration	(3)
Pls 313	State and Local Government	(3)
Pls 330	Political Campaigns, Elections, and Public Opinion	(3)
Pls 400	International Relations	(3)
Pls 402	American Political Thought	(3)
Pls 403	Public Policy	(3)
Pls 411	American Constitutional Law	(3)
Pls 415	Organization Theory in Public Administration	(3)
Pls 440	Public Administration & Politics in Developing Countries	(3)
Pls 495	Internship	(3–9)

Related Subject Electives: **18 credit hours**

Select six (6) of the following courses:

BAd 103	Introduction to Software Applications	(3)
BAd 301	Business Law	(3)
BAd 311	Elementary Statistics	(3)

BAd 410	Public Regulation for Business	(3)
Eco 201	Economic Concepts	(3)
His 101/102	Survey of World Civilization I OR II	(3)
His 201	History of the United States I	(3)
His 202	History of the United States II	(3)
His 311	Diplomatic History of the U.S. to 1914	(3)
His 312	Diplomatic History of the U.S. since 1914	(3)
His 320	Europe Since 1914	(3)
His 332	The Middle East	(3)
His 342	Latin America Since Independence	(3)
Mgt 306	Management Concepts	(3)
Mgt 308	Organization Behavior	(3)
Mgt 411	Labor-Management Relations	(3)
Phl 300	History of Philosophy I	(3)
Phl 301	History of Philosophy II	(3)
Soc 204	Principles of Sociology	(3)
SW 310	Social Issues in Diversity	(3)

Electives:

To total 128 credit hours

Computer Competency is met through CS 108, CS 109, and IdC 100.**ACADEMIC MINOR IN POLITICAL SCIENCE****Academic Minor Requirements:** **24 credit hours****Political Science Requirements:** **12 credit hours**

Pls 200	Introduction to Political Science	3
Pls 2201	American Government	3
Pls 215	Introduction to International Relations	3
Pls 310	Public Administration	3

Political Science Electives: **12 credit hours***Select four courses from the Political Science course offerings; three courses, or nine (9) credit hours, must be upper division (at the 300/400 level).***POLITICAL SCIENCE COURSE DESCRIPTIONS*****GER Approved Course*****Pls 200 Introduction to Political Science** **3 credit hours**

A study of political science as a field of learning: the theories and functions of government; the principles of democratic government, especially the American experience; ideas of authoritarianism and totalitarianism; current governmental systems and problems.

***Pls 201 American Government** **3 credit hours**

A study of the values and principles of the American federal system of government, the role of public opinion, the media, voter participation, political parties and interest groups, the institutions of government, and selected issues of public policy.

Pls 207 Current Political Issues **3 credit hours**

A study of political issues of topical interest — which are chosen to some extent by the class — such as nuclear armaments, abortion, capital punishment, states' rights, immigration, and selected problems relating to the foreign policy of the United States.

***Pls 215 Introduction to International Relations** *3 credit hours*

Having its focus on the international system and various actors (especially nation-states and international governmental and non-governmental organizations) operating in it, this course familiarizes students with the central concepts, themes, and theories of International Relations (IR). IR theories are derived from historical and current international events but also help explain them. The course thus explores the critical link between theory and practice.

***Pls 250 The Law and Social Issues** *3 credit hours*

The role of the legal system in dealing with many of the problems of contemporary society through the study of relevant court cases and selected readings.

Pls 302 History of Political Thought *3 credit hours*

Major political theorists from ancient time to the 20th century, from Plato to Rawls, focusing on their historical importance and the application of their thought to present political problems.

Pls 303 Comparative Government *3 credit hours*

An introduction to governmental systems of major industrialized nations such as Britain, France, Germany, Russia, and Japan, together with selected countries of topical interest as to their history, political institutions and culture, policies, administration, and philosophy.

Pls 304 U.S. Foreign Policy *3 credit hours*

Analysis of major philosophies and theories of U.S. foreign policy. The course investigates the problems and the dynamics of the roles that the United States plays in the post-World War II and post-Cold War eras.

Pls 310 Public Administration *3 credit hours*

This course is an introductory survey of concepts and practices relating to public administration in the United States. Topics covered include the discipline and political context of governmental administration, organization theory, human resources management, intergovernmental relations, budgetary processes, and public service ethics.

Pls 311 Ethics in Public Administration *3 credit hours*

The relationship of ethical choices and the decisions of public administrators are examined. Ethical standards are discussed in light of organizational and public policies.

Pls 313 State and Local Government *3 credit hours*

Fundamentals of local and state government structure from the perspective of public administration. Decision-making, leadership, budgeting, reforms, and linkages with citizens are analyzed.

Pls 330 Political Campaigns, Elections, and Public Opinion *3 credit hours*

This course revolves around the nature of campaign politics, public opinion, political parties, role of public efficacy, mobilization, the press, and interest and advocacy groups. In addition, the course covers topics such as campaign finance reform, party affiliation and party identification, the paradoxes of public trust, and approval rating. *Prerequisite: Pls 200, 201, 207, or permission of instructor.*

Pls 399 Independent Study *1-4 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Pls 400 International Relations*3 credit hours*

Theories of the modern state system and national power as they relate to the international community and its organization.

Pls 402 American Political Thought*3 credit hours*

American political writers from the colonial period to the present and the influences of Puritanism, individualism, conservatism, progressivism, and liberalism on American institutions and culture.

Pls 403 Public Policy*3 credit hours*

Overview of responsibilities, functions, decisions, and activities in determining public policy.

Pls 405 Research Methods*3 credit hours*

The methods of research are examined from a perspective of Public Administration. Topics include the development of a research hypothesis and design as well as the measuring of research variables. A research paper is required.

Pls 411 American Constitutional Law3 credit hours*

Utilizing the case method of instruction, United States constitutional history, organization, and powers of the federal government and the rights and immunities of citizens are studied.

Pls 415 Organization Theory in Public Administration*3 credit hours*

The course focuses on understanding and analyzing structures, interactions, systems, effectiveness, and outcomes of human activities in organizational settings. Students will study classic and contemporary organizational theories. The course explores the problems that challenge specialists, supervisors, and managers. *Prerequisites: Pls 201, 303, 313; Mgt 306; or permission of instructor.*

Pls 440 Public Administration and Politics of Developing Countries *3 credit hours*

A survey of political and administrative systems in selected states in developing regions. The course examines the impact of pre-independence administrative systems on the present and future of developing countries in Africa, Asia, and Latin America. Theoretical foundation and case studies are included.

Pls 495 Political Science Internship*1-9 credit hours*

Legal, administrative, legislative, and special research internships are available to students with superior grade point averages on the recommendation of the department.

Pls 499 Political Science Seminar*3 credit hours*

This capstone course ties together the structure and activities of the political science major. Students complete a major research project and present their findings at an open forum.

PSYCHOLOGY

Psychology, broadly defined, is the systematic study of behavior and mental processes. As part of a liberal arts education, the psychology major will help students to gain a general knowledge and understanding of the world in which they live. The general goal of the program is to offer students a foundation in the history, principles, and methods of the science of psychology. Specifically, a psychology major at Brescia University has three goals: 1) to provide the student with the opportunity to study the ways in which psychology describes and explains both animal and human behavior; 2) to provide the student the opportunity to

learn how psychology is applied; and 3) to provide students contemplating graduate training in psychology a solid undergraduate foundation. These goals are accomplished by the treatment of theory, the application of theory, research methodology in various psychology courses, and the opportunity for first-hand experience in the practical applications of psychological principles in the field. The Bachelor's degree in psychology is offered both on campus and online.

B. A. DEGREE WITH A MAJOR IN PSYCHOLOGY

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Major Subject Requirements: 24 credit hours

Psy 105	Introduction to Psychology	3
Psy 270	Cognitive Psychology	3
Psy 300	Developmental Psychology	3
Psy 350	Abnormal Psychology	3
Psy 365	Personality Theory	3
Psy 380	Biopsychology	3
Psy 405	Research Methods	3
Psy 406	History and Systems of Psychology	3

Major Subject Electives: 12 credit hours

Choose four (4) additional psychology courses from the following, one of which must be an upper-level course:

Psy 200	Psychology of Addictions/Introduction to Addictions	(3)
Psy 201	Women and Psychology	(3)
Psy 250	Applied Behavior Analysis	(3)
Psy 260	Social Psychology	(3)
Psy 303	Introduction to Counseling	(3)
Psy 370	Topics in Psychology	(3)
Psy 410	Psychological Testing	(3)
Psy 490	Senior Research Project	(3)
Psy 495	Field Experience	(3)
Psy 499	Psychology Seminar	(3)

Related Subject Requirement: 3 credit hours

Mth 250	Statistics for Social Sciences	3
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Highly Recommended Electives: 6 credit hours

Bio 100	Introduction to Biology	3
Psy 230	Women and Men: Their Relationships	3

Electives: To total 128 credit hours

Computer Competency is met through IdC 100.

ACADEMIC MINOR IN PSYCHOLOGY 24 credit hours

Psychology Requirements: 12 credit hours

Psy 105	Introduction to Psychology	3
Psy 270	Cognitive Psychology	3
Psy 300	Developmental Psychology	3
Psy 350	Abnormal Psychology	3

Psychology Electives:**12 credit hours**

Electives in psychology chosen from the listing for the major, two of which must be upper-division courses.

PSYCHOLOGY COURSE DESCRIPTIONS

*GER Approved Course

Psy 102 Human Potential Seminar3 credit hours*

A psychology of self-actualization course designed to help students identify personal values, strengths, and goals; to encourage personal growth; and to enhance respect of human dignity and diversity. The course emphasizes personal responsibility, goal setting, and awareness of career/educational interests.

Psy 105 Introduction to Psychology3 credit hours*

A survey of the main fields of psychology: the history and methods of psychology, the nervous and endocrine systems, sensation, perception, consciousness, learning, memory, higher cognitive processes, developmental psychology, motivation, emotion, stress, personality theory, sexuality, intelligence, psychological testing, abnormal psychology, psychotherapy, social psychology, and applied psychology.

Psy 200 [formerly 360] Psychology of Addictions/Intro to Addictions3 credit hours*

An overview of the analysis of current thinking about the nature, scope, causes, identification, and consequences of various types of addictions: nicotine, alcohol, legal and illegal drugs, gambling, etc. Treatment issues and the use of self-help groups are covered. *Prerequisite: Psy 105 or permission of instructor.*

Psy 201 Women and Psychology3 credit hours*

This course places women at the center of psychological inquiry by focusing on the developmental and social psychology of women. It encourages integration of ideas, feelings, and behaviors. *Prerequisite: Sophomore status or permission of instructor.*

Psy 230 Women and Men: Their Relationships3 credit hours*

This course examines gender roles in contemporary society, focusing on how these roles affect relationships; it encourages student exploration of the psychological and social issues pertinent to development of relationships. *Prerequisite: Sophomore status or permission of instructor.*

Psy 250 Applied Behavior Analysis*3 credit hours*

An introduction to the application of basic behavior principles to human behavior. Basic principles of reinforcement punishment, extinction, and stimulus control as they relate to normal behavior, behavior disorders, education, industrial settings, and child rearing will be discussed. Students must complete a class project using the principles learned in the class. *Prerequisite: Psy 105.*

Psy 260 Social Psychology3 credit hours*

Conformity, mass communication, propaganda, persuasion, social cognition, self-justification, human aggression, prejudice, liking, loving, interpersonal sensitivity, and social psychology as a science. *Prerequisite: Sophomore status.*

Psy 270 Cognitive Psychology (previously Experimental Psych)*3 credit hours*

An in-depth survey of the fields of cognitive psychology: physiological, sensation,

perception, learning, memory, language, and cognition. *Prerequisite: Psy 105.*

***Psy 300 Developmental Psychology** *3 credit hours*

A study of human growth and development from conception to death. The course deals with physical, social, emotional, intellectual, moral, and personality development at all age levels, and the respective theories; the effects of heredity and environment on the developmental process. *Prerequisite: Psy 105 or permission of instructor.*

Psy 303 Introduction to Counseling *3 credit hours*

An introduction to the theories and practices of contemporary personal, marriage, academic, and vocational counseling. Emphasis is placed on facilitative responses, listening, and other helping skills. Includes taped counseling interviews, case studies, and role-playing. *Prerequisites: Psy 102, 105, or equivalent; junior status.*

Psy 350 Abnormal Psychology *3 credit hours*

Abnormal psychopathology, including mental disorders, their treatment, models accounting for psychopathology, and community health programs. *Prerequisite: Psy 105.*

Psy 365 Personality Theory *3 credit hours*

An examination of the most prominent personality theories in terms of their origins, influence on contemporary psychological thought, and relevance to psychology as a human science. *Prerequisites: Psy 105 and junior status with at least 9 credit hours in psychology.*

Psy 370 Topics in Psychology *3 credit hours*

Various topics in psychology will be taught on a rotating basis, in response to student needs and interests. Topics include (but are not limited to) Health Psychology, Sports Psychology, Forensic Psychology, Psychopharmacology, Human Genetics, Cognitive Rehabilitation, Environmental Psychology, and Psychology of Religion. *Prerequisite: Psy 105.*

Psy 380 Biopsychology *3 credit hours*

An overview of the structure and function of the human nervous system as it affects human processes such as memory, emotions, learning, and psychopathology; also covered are the effects of brain damage on behavior. *Prerequisite: Psy 105 or permission of instructor.*

Psy 399 Independent Study *1-4 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Psy 405 Research Methods *3 credit hours*

An introduction to the scientific method and the various types of research. Students will develop research proposals. *Prerequisites: Psy 105 or equivalent; Mth 250; junior status with at least 12 credit hours in psychology.*

Psy 406 History and Systems of Psychology *3 credit hours*

Begins with psychology's origins in philosophy and covers various schools of psychology, the development of experimental psychology, the influence of psychoanalysis on psychology, and trends in humanistic psychology. *Recommended: Psy 105 and junior/senior status.*

Psy 410 Psychological Testing *3 credit hours*

An introduction to psychological testing, including basic statistical considerations, ability

and achievement tests, intelligence and personality tests. *Prerequisites: Mth 250; Psy 105 and 270.*

Psy 490 Senior Research Project 3 credit hours

This course is the culmination and the practical application of materials from the statistics and research methods courses. Under supervision, the student begins and completes a research project, including a proposal, pilot study, and/or a full research project, data analysis, and a complete report in accordance with current APA style manual. (Strongly recommended for students planning graduate work.) *Prerequisites: Psy 105, 270, 405; Mth 250; and permission of instructor.*

Psy 495 Field Experience 3 credit hours

Supervised work experience with no classroom instruction. *Prerequisites: Psy 105, 365, junior/senior status. Recommended: Psy 303.*

Psy 499 Psychology Seminar 3 credit hours

Readings and discussions designed to help senior psychology majors synthesize their studies in the field. *Prerequisite: Senior status. Recommended: Psy 365.*

SCIENCE

MIDDLE SCHOOL TEACHING AREA IN SCIENCE

Science Requirements: 24 credit hours

Biology: **12 credit hours**

Bio 105	Ecology and Evolution <i>and</i>	3
Bio 105L	Ecology and Evolution Lab	1
Bio 115	Molecular and Cellular Biology <i>and</i>	3
Bio 115L	Molecular and Cellular Biology Lab	1
Bio 325	Ecology <i>and</i>	(3)
Bio 325L	Ecology Lab <i>OR</i>	(1)
Bio 425	Marine Biology <i>and</i>	(3)
Bio 425L	Marine Biology Lab	(1)

Chemical and Physical Sciences: **12 credit hours**

Distribute courses between Chemistry/Physics.

If Astronomy or Geology is selected, an additional physics course must be added.

Chm 100	Introduction to Chemistry including Lab	(3)
Chm 101/101L	General Chemistry I <i>and</i> Gen Chem I Lab	(4)
Chm 102/102L	General Chemistry II <i>and</i> Gen Chem II Lab	(4)
Chm 205/205L	Quantitative Analysis <i>and</i> Quantitative Analysis Lab	(4)
PhS 104	Astronomy <i>OR</i>	
PhS 105	Geology including Lab	(3)
PhS 110	Integrated Physical Science including Lab	(3)
PhS 201	General Physics I	(3)
PhS 201L	General Physics I Lab	(1)
PhS 202	General Physics II	(3)
PhS 202L	General Physics II Lab	(1)

SOCIAL STUDIES

The Social Studies degree is an interdisciplinary program dealing with various dimensions of the person. Such a degree provides a broader perspective than can be developed in a single discipline, and/or provides the secondary teacher with competencies in several areas. The Bachelor of Arts degree may be earned with a major in social studies.

B. A. DEGREE WITH A MAJOR IN SOCIAL STUDIES

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Major Subject Requirements: 24 credit hours

Eco 201	Economic Concepts I	3
His 101	Survey of World Civilization I	3
His 102	Survey of World Civilization II	3
His 201	History of the U.S. I	3
His 202	History of the U.S. II	3
Pls 201	American Government	3
Psy 105	Introduction to Psychology	3
Soc 204	Principles of Sociology	3

Major Subject Electives: 24 credit hours

Choose from upper-division courses in history, economics, political science, and psychology, with no more than twelve credit hours chosen from a single area.

Electives: To total 128 credit hours

Computer Competency is met through IdC 100.

MIDDLE SCHOOL TEACHING AREA IN SOCIAL STUDIES

Social Studies Requirements: 24 credit hours

Eco 201	Economic Concepts I	3
Eco 202	Economic Concepts II	3
Geo 211	World Geography	3
His 101	Survey of World Civilization I OR	
His 102	Survey of World Civilization II	3
<i>(whichever was not taken previously to satisfy GER)</i>		
His 201	History of the U.S. I	3
His 202	History of the U.S. II	3
Pls 201	American Government	3
Soc 204	Principles of Sociology	3

B. A. DEGREE with a MAJOR and SECONDARY TEACHER CERTIFICATION in SOCIAL STUDIES

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

See the GERs for Teacher Education.

Professional Education Requirement: 35 credit hours

See Secondary Education.

Major Subject Requirements: 24 credit hours

His 101	Survey of World Civilization I	3
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His 102	Survey of World Civilization II	3
His 201	History of the U.S. I	3
His 202	History of the U.S. II	3
Eco 201	Economic Concepts I	3
Pls 201	American Government	3
Psy 105	Introduction to Psychology	3
Soc 204	Principles of Sociology	3

Major Subject Electives:**24 credit hours****Upper-Division History** (select three courses):

9

One course is required in each area: American history, European history, and non-Western history.

Social Studies Electives:

15

Choose five courses from economics, political science, and psychology (courses in psychology other than those required to complete Professional Education Requirements).

SOCIAL WORK

The Social Work program is accredited by the Council on Social Work Education. Social Work is a profession concerned with the prevention and remediation of social problems. The Bachelor's degree in Social Work (B.S.W.) prepares students for careers in social work by providing students with the skills, knowledge, and values that are essential in generalist social work practice. Students focus on working with individuals, families, groups, and community organizations. Brescia also offers an online degree-completion program in social work, with specific criteria described below. Brescia social work majors may attend graduate school in social work with advanced standing, take the B.S.W. state licensure exam, and qualify for liability insurance through NASW as a B.S.W. practicum student.

The B.S.W. contributes to Brescia University's mission by its strong emphasis on understanding people, willingness to help others, understanding of cultural diversity, and assistance in improving the quality of life of individuals, groups, and communities.

Admission Procedures for Social Work: The Social Work program has an admission procedure designed to attract and screen those students who have the knowledge base, attitudes, and values that will make effective social workers.

Application Procedure: The following courses must be completed prior to making formal application for admission to the program:

- Bio 100 Introduction to Biology
- Psy 105 Introduction to Psychology
- Soc 204 Principles of Sociology
- SW 280 Introduction to Social Work
- SW 301 Human Behavior in the Social Environment I (*currently enrolled*)

After completing the prerequisites, students make formal application to the program, using application forms available online or in the Social Work Office, Ramold Center. As part of the application for admission process, students submit a detailed autobiographical statement that includes motivations for becoming a social worker; career goals; relevant work, volunteer, and life experiences; and strengths and weaknesses for social work practice.

CREDIT FOR EXPERIENTIAL LEARNING IS NOT PERMITTED.

Admission Committee: The committee is composed of members of the Social Work faculty and one member of the Social Work Advisory Board. The committee reviews each application and interviews all prospective majors. Students are informed by letter of the committee's decision.

Retention: Any student receiving a 'D' or lower in any required social work course will be required either to repeat that course or to take an independent study designated to correct deficiencies in the student's understanding of the course. A student may be recommended for non-retention at any time by any social work faculty or field instructor who has evidence that the student's performance is indicative of non-compatibility with the profession of social work. Any such recommendation must be made in writing to the Director of the Social Work program, who will schedule a committee meeting with the Social Work Advisory Board and the Academic Dean. Since the advisement process within the Social Work Program includes ongoing evaluation of the student's professional potential and progress, use of this non-retention process is expected to be extremely rare. See *SW Student Handbook*.

Appeal: If the student does not concur with the Social Work Advisory Board's recommendation, appeal may be made through the usual channels of appeal within the University consistent with the University grievance procedures found in the *Student Handbook*.

ONLINE DEGREE-COMPLETION IN SOCIAL WORK CRITERIA

Students in the online degree-completion program in Social Work will adhere to all the program criteria described above and to the course requirements outlined for the B.S.W. below. For students who have already met the minimum GER of Brescia University and who have 83 transferable credits, the program can be completed in two years.

Admission Requirements [for the Social Work online degree-completion participants]:

1. Students who are currently enrolled in a traditional degree program may not complete their major using the online program unless their education is interrupted and they are unable to complete the traditional program. Exceptions are made at the discretion of the Area Coordinator in consultation with the Academic Dean.
2. A minimum of 45 semester hours of undergraduate credit with a minimum GPA of 2.5 is required. Credit will not be awarded for grades below C or for duplicate and remedial courses. The 45 hours must include courses to satisfy the following GER:
 - a. Language and Literature (18 hours): English writing (6), literature (3), Spanish (3), speech (3), additional language or literature (3).
 - b. Fine Arts (9 hours): art, music, or theater with no more than 6 hours in any area.
 - c. Natural Science and Mathematics (9 hours): Must include Introduction to Biology (3); Mth 101, 102, or college algebra or higher math (3); computer, math, or science elective (3).
 - d. Theology and Philosophy (9 hours): theology (6), philosophy (3).
 - e. Social and Behavioral Science (3 hours): global history.
 - f. NOTE: Other requirements for Social and Behavioral Science GER will be met through major and related subject requirements. Upper division GER will be met by the program's SW 301, SW 302, and SW 310.

BACHELOR OF SOCIAL WORK DEGREE

Required to Graduate:

128 credit hours

General Education Requirement:

57 credit hours

Including SW 310 — Social Issues in Diversity

Major Subject Requirements:		36 credit hours
SW 280	Introduction to Social Work	3
SW 301	Human Behavior in the Social Environment I	3
SW 302	Human Behavior in the Social Environment II	3
SW 304	Social Work Practice I	3
SW 305	Field Practicum I/Seminar	3
SW 306	Social Work Practice II	3
SW 308	Social Work Practice III	3
SW 401	Social Welfare Policy	3
SW 405	Research Methods	3
SW 406	Field Practicum II/Seminar	6
SW 410	Research and Statistics	3

Major Subject Electives: (Choose two)		6 credit hours
SW 309	Social Work in Criminal Justice	(3)
SW 312	Death and Dying	(3)
SW 313	Social Work and Aging	(3)
SW 326	Women at Risk	(3)
SW 381	Ethical Considerations of Social Work Practice	(3)
SW 400	Child Abuse and Neglect	(3)
SW 403	Child Abuse Interventions	(3)

Related Subject Requirements:		15 credit hours
Bio 100	Introduction to Biology	3
Pls 201	American Government	3
Pls 250	Law and Social Issues	3
Psy 105	Introduction to Psychology	3
Soc 204	Principles of Sociology	3

Electives: To total 128 credit hours

Computer Competency is met through CS 107, CS 109, and IdC 100. For online degree-completion participants, computer competency is met through IdC 100.

SOCIAL WORK COURSE DESCRIPTIONS

*GER Approved Course

***SW 280 Introduction to Social Work** *3 credit hours*
Introduces students to the social work profession and its value, skill, and knowledge bases.

***SW 301 Human Behavior in the Social Environment I** *3 credit hours*
Presents a social systems framework with a focus on individual and family systems. Emphasizes integration of social and behavioral theories. *Prerequisites:* SW 280, *Psy 105, *Soc 204, *Bio 100. (**One of these three may be taken as a co-requisite with advisor permission.*)

***SW 302 Human Behavior in the Social Environment II** *3 credit hours*
A continuation of SW 301. Focus is on human behavior in the social environment, with an emphasis on groups, organizations, and communities from a social systems perspective.

SW 304 Social Work Practice I *3 credit hours*
Introduction to knowledge, principles, values, and skills for generalist social work practice. *Prerequisites:* SW 301 and admission to program.

SW 305 Field Practicum I/Seminar *3 credit hours*

A generalist base for social work practice that involves an on-site field agency practicum and a weekly seminar that focuses on continuing skill building for generalist social work practice. Integrates classroom learning with learning taking place during the field practicum. *Prerequisite: SW 304.*

SW 306 Social Work Practice II *3 credit hours*

Practice II continues the development of knowledge, values, and skills for generalist social work practice, with the focus at the group level. *Prerequisite: SW 304.*

SW 308 Social Work Practice III *3 credit hours*

This course continues the development of knowledge, values, and skills for generalist social work practice. The focus, however, is on generalist practice at organizational and community levels using a social systems approach. *Prerequisite: SW 304.*

SW 309 Social Work in Criminal Justice *3 credit hours*

An investigation of criminal behavior, sanctions, and rehabilitation of offenders. Implication for social work practice with the criminal justice system is discussed. *Prerequisite: Sophomore status.*

***SW 310 Social Issues in Diversity** *3 credit hours*

In-depth investigation of several groups with minority status and their patterns of interaction in the United States: Native, African, and Hispanic Americans; women as a minority group; religious minorities; and the gay and lesbian population. Emphasis on social work knowledge, values, and practice skills with members of diverse populations.

***SW 312 Death and Dying** *3 credit hours*

The study of death and dying in American society; changes in attitudes and norms; future trends; services to clients and families. *Prerequisite: Sophomore status.*

SW 313 Social Work and Aging *3 credit hours*

Social aspects of aging, including changing role definitions of the elderly and the special problems of growing old in today's society; services to the elderly population. Economic and social justice issues and implication for social work practice are discussed. *Prerequisite: Sophomore status.*

SW 326 Women at Risk *3 credit hours*

This course evaluates the varied experiences among women of different cultures, geographies, socio-economic classes, religions, and developmental histories. The ability to determine the inherent risk of women as a group as well as among themselves will be explored. Students will be expected to analyze the potential risk of women from a cultural, developmental, and historical perspective in multiple areas of the human experience: individual, family, and community roles/perspectives; employment; health; socio-economic and political arenas. *Prerequisite: Sophomore status.*

SW 381 Ethical Considerations in Social Work Practice *3 credit hours*

Designed to heighten students' sensitivity to the ethical aspects of social work practice, this course aids them in developing a personal approach to such issues, and helps them consider the essential elements in ethical decision-making in professional social work practice. *Prerequisite: Sophomore status.*

SW 400 Child Abuse and Neglect*3 credit hours*

This course is designed to provide a comprehensive introduction to child abuse and neglect from a social work perspective. Social workers in all professional work settings must know how to identify child maltreatment and domestic violence. Students will learn the family dynamics and indicators of maltreatment and effective interventions on the micro and macro level. Additionally, students will learn the extent of the problem, its effects on children, treatment issues, the social worker's role in a multidisciplinary team approach, and how to advocate for individuals and families. *Prerequisite: Sophomore status.*

SW 401 Social Welfare Policy*3 credit hours*

Includes current issues and problems of social welfare policy and programs within a historical context. *Prerequisites: SW 280, *Pls 201, *Eco 201 (*may be co-requisite with advisor permission).*

SW 403 Child Abuse Interventions*3 credit hours*

Students will learn about various practice skills and treatment interventions related to social work with abused/neglected children and their families, and have several opportunities to develop their own skills through a variety of teaching methods. *Prerequisite: SW 400.*

SW 405 Research Methods*3 credit hours*

This course is an introduction to the logic and the techniques of research in social science. The emphasis will be on measurement, sampling techniques, research design, and data analysis. *Prerequisite: Junior or senior status.*

SW 406 Field Practicum II/Seminar*6 credit hours*

On-site field agency practicum integrating generalist social work knowledge, values, and skills. Classroom seminar provides an opportunity for all seminar practicum students to integrate learning with practice experience. *Prerequisites: Senior status and SW 305.*

SW 410 Research and Statistics*3 credit hours*

In this course, the student will have the opportunity to conduct the research outlined in the proposal developed in Research Methods. Students will be introduced to and expected to demonstrate competence with the Statistical Program for the Social Sciences (SPSS). As a part of this continued process, the student will learn to collect the data, analyze the data collected, write up the findings, and present the findings to interested constituents and stakeholders. *Prerequisites: Junior or senior status and SW 405.*

SOCIOLOGY

Sociology, the study of social interaction and group processes, helps students become more aware of their social environment, the interdependence and complexity of institutions and societies, and the problems of living in today's world. The study of sociology does not restrict students to any specialized work, but provides a background for a variety of satisfying professions, such as teaching and social work.

SOCIOLOGY COURSE DESCRIPTION

*GER Approved Course

Soc 204 Principles of Sociology3 credit hours*

An introduction to the major concepts and principles relating to the study of society, social institutions, and social interaction.

SPANISH

The Bachelor of Arts in Spanish prepares students at a high level of proficiency while providing the fundamental knowledge of a liberal arts education. Through an intensive study of Spanish language, literature, and culture, students have the opportunity to acquire a competitive degree. A study-abroad experience is offered for Spanish majors.

The Modern Languages Area offers non-traditional credit through CLEP, Advanced Placement, and Challenge examinations. Students interested in this form of credit should see the non-traditional credit policies in this *Catalog*.

The study of Spanish involves a four-course sequence that begins with Spn 101, a course designed for students without previous studies of Spanish and/or those who have completed a maximum of two years of high school Spanish. To satisfy General Education Requirements, native speakers of Spanish must begin the course sequence with Spn 201: Intermediate level I, or they may take one of three upper-level options: Spn 312, 314, or 315.

B. A. DEGREE WITH A MAJOR IN SPANISH

Required to Graduate: **128 credit hours**

General Education Requirements: **57 credit hours**

Major Subject Requirements: **15 credit hours**

Spn 101	Elementary Spanish I	3
Spn 102	Elementary Spanish II	3
Spn 201	Intermediate Spanish I	3
Spn 202	Intermediate Spanish II	3
Spn 305	Introduction to Writing Composition and Literary Theory	3

Major Subject Electives: *(six courses from the following)* **18 credit hours**

Spn 312	Survey of Spanish American Culture	(3)
Spn 314	Conversational Spanish I	(3)
Spn 315	Conversational Spanish II	(3)
Spn 320	Peninsular Spanish Literature I	(3)
Spn 399	Independent Study <i>(for majors only, with Area Coordinator approval)</i>	(3)
Spn 411	Technical Spanish	(3)
Spn 412	Practicum: Experience Abroad	(3)
Spn 416	Survey of Spanish-American Literature	(3)
Spn 420	Peninsular Spanish Literature II	(3)

Electives: To total 128 credit hours

Computer Competency is met through CS 107 and IdC 100.

B. A. DEGREE with a MAJOR and P-12 TEACHER CERTIFICATION in SPANISH

Required to Graduate: **128 credit hours**

Major Subject Requirements:

Spn 101	Elementary Spanish I	3
Spn 102	Elementary Spanish II	3
Spn 201	Intermediate Spanish I	3

Spn 202	Intermediate Spanish II	3
Spn 305	Introduction to Writing Composition and Literary Theory	3
Spn 414	Methods of Teaching Spanish	3
Major Subject Electives: (<i>five courses from the following</i>)		15 credit hours
Spn 312	Survey of Spanish American Culture	3
Spn 314	Conversational Spanish I	3
Spn 315	Conversational Spanish II	3
Spn 320	Peninsular Spanish Literature I	3
Spn 399	Independent Study (<i>for majors only, with Area Coordinator approval</i>)	3
Spn 411	Technical Spanish	3
Spn 412	Practicum: Experience Abroad	3
Spn 416	Spanish American Literature	3
Spn 420	Peninsular Spanish Literature II	3

ACADEMIC MINOR IN SPANISH

Minor Requirements: **24 credit hours**

Minor Required Courses: **15 credit hours**

Spn 101	Elementary Spanish I	3
Spn 102	Elementary Spanish II	3
Spn 201	Intermediate Spanish I	3
Spn 202	Intermediate Spanish II	3
Spn 305	Introduction to Writing Composition and Literary Theory	3
	(<i>or any other upper-level course</i>)	3

Minor Subject Electives: (*three courses from the following*) **9 credit hours**

Spn 312	Survey of Spanish American Culture	(3)
Spn 314	Conversational Spanish I	(3)
Spn 315	Conversational Spanish II	(3)
Spn 320	Peninsular Spanish Literature I	(3)
Spn 411	Technical Spanish	(3)
Spn 416	Spanish American Literature	(3)
Spn 420	Peninsular Spanish Literature II	(3)

SPANISH COURSE DESCRIPTIONS

*GER Approved Course

***Spn 101 Elementary Spanish I** **3 credit hours**

An introduction to the language, with stress on the aural-oral values of language, including phonetics and grammar. The content of Spn 101 is designed for students without previous experience in Spanish or no more than two years of high school Spanish.

***Spn 102 Elementary Spanish II** **3 credit hours**

An introduction to the language, with stress on the aural-oral values of language, including phonetics and grammar. *Prerequisite: Spn 101 or equivalent.*

***Spn 201 Intermediate Spanish I** **3 credit hours**

Content includes grammar practice at intermediate level of composition and conversation.

Prerequisite: Spn 102 or equivalent.

***Spn 202 Intermediate Spanish II** *3 credit hours*

Content includes analysis of text through grammar practice at intermediate level of composition, speaking, and comprehension. *Prerequisite: Spn 201 or equivalent.*

Spn 305 Introduction to Writing Composition and Literary Studies *3 credit hours*

Students are introduced to different approaches to the study of a literary text in preparation for literature courses. Students practice different compositional skills through writing exercises and essays in Spanish. *Prerequisite: Spn 202 or equivalent.*

***Spn 312 Survey of Spanish American Culture** *3 credit hours*

A survey of cultural and economic development, as well as geographical landscape of the Spanish American countries. Conducted in Spanish. *Prerequisite: Spn 202 or equivalent.*

***Spn 314 Conversational Spanish I** *3 credit hours*

Development of oral proficiency through conversation practice. Grammar concepts are studied within the content of speech. *Prerequisite: Spn 202 or equivalent.*

***Spn 315 Conversational Spanish II** *3 credit hours*

Intensive practice of oral and aural skills at an advanced level. Grammar will be reviewed through written and oral drills. Conducted in Spanish, this course is not sequential to Spn 314. *Prerequisite: Spn 202 or equivalent.*

Spn 320 Peninsular Spanish Literature I *3 credit hours*

A study of literature of the Spanish Peninsula from its beginnings to the 17th century. Conducted in Spanish. *Prerequisite: Spn 202 or equivalent.*

Spn 399 Independent Study *1-4 credit hours*

Content study that is not part of the regular curriculum. It is generally offered based on student need. Advised for majors only. *Prerequisites: Spn 202 or equivalent and submission and approval of "Application for Admission to Independent Study."*

Spn 411 Technical Spanish *3 credit hours*

Technical aspects of the Spanish Language, written and spoken. Grammar will be emphasized through composition practice of business documents. *Prerequisite: Spn 202 or equivalent.*

Spn 412 Practicum: Experience Abroad *3 credit hours*

Strongly advised. This course offers an international field work opportunity for Spanish majors. Prior to traveling, students receive academic instruction in the classroom. While abroad, students experience living with a host family arranged by the Area Coordinator. For Spanish majors only. *Prerequisite: Spn 202 or equivalent.*

Spn 414 Methods of Teaching Spanish *3 credit hours*

A required course for Spanish education majors, presents an overview of theories, methods, and ideas dealing with the challenges of bilingual education, Spanish in particular. This course includes research of teaching techniques, including those for students with learning disabilities, particularly communication disorders. Sources may be researched in English or Spanish. *Prerequisite: Spn 202 or equivalent.*

Spn 416 Spanish American Literature*3 credit hours*

A study of major Spanish American writers from the colonial period to the 20th century. Conducted in Spanish. *Prerequisite: Spn 202 or equivalent.*

Spn 420 Peninsular Spanish Literature II*3 credit hours*

A study of literature; prose and poetry of the Spanish Peninsula, from the 19th century to the present day. Conducted in Spanish. *Prerequisite: Spn 202 or equivalent.*

SPEECH

Courses offered in the speech area fulfill General Education Requirements. Speech courses are skills rather than simply content courses, and concentrate on developing effective oral communication styles for both formal and informal settings.

SPEECH COURSE DESCRIPTIONS

*GER Approved Course

Sph 110 Public Speaking3 credit hours*

A fundamental speech course designed to introduce the student to basic speaking and listening skills and provide an arena for evaluated speech practice.

Sph 199 Independent Study*1-4 credit hours*

This course number is used to designate a course that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

SPEECH PATHOLOGY/AUDIOLOGY

Brescia's nationally recognized undergraduate program in Speech Pathology/Audiology provides the educational and clinical foundations for careers in the profession of speech pathology, audiology, and the speech and hearing processes. These processes are concerned with evaluation, treatment, prevention, and research in human communication sciences and disorders. Speech pathologists may evaluate and treat persons with such disorders as stuttering, communication problems resulting from stroke or traumatic head injury, and persons with disorders of voice and articulation. Audiologists specialize in the prevention, identification, assessment, and rehabilitation of hearing disorders. The undergraduate/pre-professional degree in Speech Pathology/Audiology is the first degree in a continuum that leads to the completion of a professional graduate degree. Graduates of Brescia's Speech Pathology/Audiology program have completed advanced degrees at some of the finest graduate schools in the nation. Today they are employed in schools, hospitals, rehabilitation centers, private practice, and other challenging and stimulating environments.

B. S. DEGREE WITH A MAJOR IN SPEECH PATHOLOGY/AUDIOLOGY

Required to Graduate:

128 credit hours

General Education Requirement:

57 credit hours

Major Subject Requirements:

42 credit hours

Sppa 250

Language Development

3

Sppa 254	Principles and Practices	3
Sppa 262	Phonetics	3
Sppa 263	Articulation Disorders	3
Sppa 266	Anatomy and Physiology	3
Sppa 272	Practicum	1
Sppa 273	Practicum	1
Sppa 363	Audiology	3
Sppa 364	Aural Rehabilitation	3
Sppa 370	Language Disorders	3
Sppa 372	Practicum	1
Sppa 373	Practicum	1
Sppa 415	Speech and Hearing Science	3
Sppa 460	Diagnostic Procedures	3
Sppa 465	Advanced Speech Pathology: Voice and Fluency Disorders	3
Sppa 466	Seminar in Speech Pathology/Audiology	3
Sppa 472	Practicum	1
Sppa 473	Practicum	1

Related Subject Requirements: 6 credit hours

Edu 255	Teaching Children with Exceptionalities	3
Psy 300	Developmental Psychology	3

Electives: To total 128 credit hours

Computer Competency is met through CS 108.

SPEECH PATHOLOGY/AUDIOLOGY COURSE DESCRIPTIONS

Sppa 210 Basic Sign Language 3 credit hours

Education in the use of conversational sign language and finger spelling, plus an introductory sensitivity to and knowledge of deaf culture.

Sppa 250 Language Development 3 credit hours

Introductory knowledge of the pre-symbolic, phonological, syntactic, semantic, and pragmatic nature of normal language development. Fifteen to twenty-five hours of observation required.

Sppa 254 Principles and Practices 3 credit hours

A survey of functional and organic communication disorders with evaluation and remediation procedures. Introductory knowledge of the diversity of normal communication behaviors and developmental patterns found in a multicultural society.

Sppa 262 Phonetics 3 credit hours

A study of the science of speech sounds as elements of language and their acoustic and articulatory characteristics. Practical experience provided in transcription using the International Phonetic Alphabet.

Sppa 263 Articulation Disorders 3 credit hours

Characteristics, diagnosis, and management of articulation disorders. Introductory knowledge of the diversity of normal articulatory patterns found in a multicultural society. Observation required. *Prerequisite: Sppa 262.*

Sppa 266 Anatomy and Physiology 3 credit hours

A comprehensive study of the anatomical, physiological, and neurological bases for the normal development of speech, language, and hearing.

Sppa 272 Clinical Practicum 1-6 credit hours

Enables students in the area of Speech Pathology/Audiology to carry out directed experiences in speech-language pathology and audiology beginning in the sophomore year. Audiology practicum begins concurrently with audiology coursework. *Prerequisites: Sppa 254, 262, and 263.*

Sppa 273 Clinical Practicum 1-6 credit hours

Enables students in the area of Speech Pathology/Audiology to carry out directed experiences in speech-language pathology and audiology beginning in the sophomore year. Audiology practicum begins concurrently with audiology coursework. *Prerequisites: Sppa 254, 262, and 263.*

Sppa 363 Audiology 3 credit hours

Introductory knowledge of sound measurement instrumentation, the physics of sound; the anatomy and physiology of hearing; pure tone audiometric test interpretation; audiogram interpretation; and the nature, degree, and prevention of hearing loss.

Sppa 364 Aural Rehabilitation 3 credit hours

A study of current methods used in education for persons with limited hearing. Emphasis is on the development of the auditory function, auditory dysfunction, and multisensory approach to rehabilitation. Introductory knowledge of amplification and assistive listening devices. *Prerequisites: Sppa 363 or concurrent enrollment with 364.*

Sppa 368 Readings 1-3 credit hours

A faculty-directed course in which readings in aspects of speech-language pathology and/or audiology are considered. *Prerequisites: Permission of instructor and Area Coordinator.*

Sppa 370 Language Disorders 3 credit hours

A study of language-disordered populations from infants to adults, including issues in prevention, with practical application for diagnosis and treatment. *Prerequisite: Sppa 250.*

Sppa 372 Clinical Practicum 1-6 credit hours

Enables students in the area of Speech Pathology/Audiology to carry out directed experiences in speech-language pathology and audiology beginning in the sophomore year. Audiology practicum begins concurrently with audiology coursework. *Prerequisites: Sppa 254, 262, and 263.*

Sppa 373 Clinical Practicum 1-6 credit hours

Enables students in the area of Speech Pathology/Audiology to carry out directed experiences in speech-language pathology and audiology beginning in the sophomore year. Audiology practicum begins concurrent with audiology coursework. *Prerequisites: Sppa 254, 262, and 263.*

Sppa 399 Independent Study 1-4 credit hours

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Sppa 415 Speech and Hearing Science *3 credit hours*

Introduction to basic human communication processes, including acoustic, psychological, neurological, biological, and cultural bases.

Sppa 460 Diagnostic Procedures *3 credit hours*

Introductory knowledge of those principles and practices commonly used by professionals in the assessment of communication differences, delays, or disorders. Experience in the use of standardized instruments and scheduled laboratory required. *Prerequisites: Sppa 262, 266, 363, and 370.*

Sppa 465 Advanced Speech Pathology: Voice and Fluency Disorders *3 credit hours*

Characteristics, diagnosis, and management of voice and fluency disorders. In-depth professional reading is required. *Prerequisites: Sppa 254 and 266.*

Sppa 466 Seminar in Speech Pathology/Audiology *3 credit hours*

Synthesis of principles and practices in communication development and disorders. Discussion and projects related to professional roles and competencies. *Prerequisite: Senior status or permission of instructor.*

Sppa 470 Medical and Surgical Aspects *2-3 credit hours*

Introduction to medical and surgical treatment for various organic communication disorders. Readings in medical literature and familiarization with terminology and treatment philosophies. *Prerequisite: Sppa 266 or permission of instructor.*

Sppa 472 Clinical Practicum *1-6 credit hours*

Enables students in the area of Speech Pathology/Audiology to carry out directed experiences in speech-language pathology and audiology beginning in the sophomore year. Audiology practicum begins concurrently with audiology coursework. *Prerequisites: Sppa 254, 262, and 263.*

Sppa 473 Clinical Practicum *1-6 credit hours*

Enables students in the area of Speech Pathology/Audiology to carry out directed experiences in speech-language pathology and audiology beginning in the sophomore year. Audiology practicum begins concurrently with audiology coursework. *Prerequisites: Sppa 254, 262, and 263.*

TEACHER EDUCATION

From its founding, Brescia has been noted for the quality of its teacher education programs. Brescia University School of Education students are challenged to become professional educators committed to ethics, advocacy, service, and lifelong learning. The School of Education offers certification programs for Interdisciplinary Early Childhood Education (IECE), Elementary, Middle, Secondary, and P-12 teachers, and teachers in the field of Special Education. It also offers a Masters in Teacher Leadership. Brescia graduates serve with distinction in school systems throughout the country. All School of Education programs are approved by Kentucky's Education Professional Standards Board.

The School of Education programs include:

INTERDISCIPLINARY EARLY CHILDHOOD EDUCATION (IECE): Bachelor of Science degree with certification birth to primary.

ELEMENTARY EDUCATION: Bachelor of Science degree with P-5 certification.

MIDDLE SCHOOL EDUCATION: Bachelor of Science degree with 5-9 certification.

SECONDARY EDUCATION: Bachelor of Science or Arts degree, with 8-12 certifications in Biology, English, Mathematics, or Social Studies.

SPECIAL EDUCATION: Bachelor of Science degree with P-12 certification in Learning and Behavior Disorders (LBD); can be earned only with either Elementary or Middle School certification. Endorsement in Learning and Behavior Disorders, grades 8-12, also available.

P-12 CERTIFICATION: Bachelor of Arts degree in Art Education or Spanish Education with P-12 certification.

MASTER OF SCIENCE IN TEACHER LEADERSHIP (MSTL): Post-baccalaureate degree (*see pp. 187 – 191*).

ADMISSION TO SCHOOL OF EDUCATION AND TO STUDENT TEACHING: Students must be formally accepted into the School of Education prior to enrolling in most upper division teacher education courses. Applications for admission into the School of Education and for admission to student teaching are filed in the School of Education Office on or before October 1, February 1, or May 1 of each academic year.

Application for admission into the School of Education is completed no sooner than the second semester of the sophomore year. The application process includes:

1. Satisfactory scores on the PRAXIS I Pre-Professional Skills Test;
2. Demonstration of teacher dispositions and oral competence;
3. Reference screening; and
4. Completion of a State Police background check.

The applicant must also achieve and maintain a 2.75 cumulative grade point average and have successfully **completed two of the following three professional courses: Edu 204, Edu 255, Psy 300**. *Note: Students transferring a course equivalent to Edu 204 must also take Edu 108 prior to admission to the School of Education.*

Application for student teaching is completed the semester prior to the student-teaching experience. Prerequisites include:

1. Completion of required course work;
2. Submission of a professional portfolio;
3. Recommendation of faculty in area of certification and completion of PRAXIS specialty and PLT exams;
4. Completion of 150 field and clinic hours;
5. A grade point average of at least 2.75 out of a possible 4.00, or 3.0 GPA on the last thirty (30) hours of credit completed on all University coursework attempted; and
6. An extensive background check completed by the federal government, the Kentucky State Police, and the local police department.

A current health form is required of all student teacher applicants.

Applications for admission into the School of Education and for admission to student teaching cannot be made during the same semester.

General Education Requirements for Teacher Education: Students in education must complete Brescia University General Education Requirements, with the following special designations:

1. Social and Behavioral Science courses must include three hours of American history, preferably History of the United States (His 201/202); and
2. Natural Science courses must include both a biological science and a physical science, both with labs.

Program Completion and Application for Certification: Students seeking certification must successfully complete the PRAXIS II Specialty Test(s) in their area(s) of certification. Upon successful completion of the Teacher Education Program and obtaining passing scores on the relevant PRAXIS specialty and the Principles of Learning and Teaching tests, the Brescia University graduate is eligible for a Kentucky Statement of Eligibility for Teacher Certification. The graduate must also file an Application for Teacher Certification (TC-1) in the Office of the Registrar. Upon obtaining full-time employment as an initially certified teacher, the Brescia graduate may complete the Kentucky Teacher Internship Program (KTIP). At that point, s/he becomes a fully certified teacher.

In compliance with the Title II Higher Education Act requirements, Brescia reports a 89% summary PRAXIS II pass rate for 2011-2012.

B. S. DEGREE with a MAJOR and KENTUCKY TEACHER CERTIFICATION in INTERDISCIPLINARY EARLY CHILDHOOD EDUCATION (Certification: Birth through Primary)

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

See General Education Requirement for Teacher Education.

Major Subject Requirements:

Professional Education – Common Core: **16 credit hours**

Edu 103	Orientation in Special Education	1
Edu 204	Introduction to Education (<i>transfer students: See Edu 108</i>)	3
Edu 246	Microcomputing in the Classroom	3
Edu 255	Teaching Children with Exceptionalities	3
Edu 301	Growth, Development, and Learning Theories	3
Psy 300	Developmental Psychology	3

IECE Required Core: **41 credit hours**

Edu 104	Exploring Early Childhood Education	1
Edu 256	Adaptive Physical Education	1
Edu 307	Early Childhood Special Education	3
Edu 308	Infant/Toddler/Preschool Assessment	3
Edu 309	Family and Agency Services	3

Edu 310	Infant/Toddler Curriculum and Methods	3
Edu 311	Preschool Curriculum and Methods	3
Edu 337	Behavior Disorders	3
Edu 430	Adaptive/Assistive Technology and Language Issues	3
Edu 431	Transition to Kindergarten Curriculum and Methods	3
Edu 443	Legal Aspects, Parental Issues, the IEP	3
Edu 432	IECE Infant and Toddler Practicum	3
Edu 433	Student Teaching: IECE	9

Related Subject Requirements: 16 credit hours

Edu 213	School Health, Nutrition, Safety, and the Environment	3
Edu 257	Physical Education for P-5	1
Mus 204	Music for the Classroom Teacher	3
Art 370	School Art Methods	3
SW 280	Introduction to Social Work	3
Sppa 254	Principles and Practices [<i>speech pathology</i>]	3

Electives: To total 128 hours

Strongly recommended courses include Edu 314: Children's Literature and SW 400: Child Abuse and Neglect.

B. S. DEGREE with a MAJOR and KENTUCKY TEACHER CERTIFICATION in ELEMENTARY EDUCATION
(Certification: Elementary Education, Grades P-5)

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

See General Education Requirement for Teacher Education.

Major Subject

Professional Education Requirements: 43 credit hours

Edu 204	Introduction to Education (<i>transfer students: See Edu 108</i>)	3
Edu 246	Microcomputing in the Classroom	3
Edu 255	Teaching Children with Exceptionalities	3
Edu 301	Growth, Development, and Learning Theory	3
Edu 319	Social Studies in Elementary Grades	3
Edu 320	Science for Elementary Grades	3
Edu 321	Teaching Reading in the Elementary School	3
Edu 323	Math Methods for Elementary Grades	3
Edu 325	Teaching Language Arts in the Elementary School	3
Edu 413	Curriculum and Classroom Management	3
Edu 420	Student Teaching: Elementary Grades (P-5)	9
Edu 470	Practicum	1
Psy 300	Developmental Psychology	3

Related Subject Requirements: 22 credit hours

Art 370	School Art Methods	3
Edu 213	School Health, Nutrition, Safety, and the Environment	3
Edu 257	Physical Education (P-5)	1
Edu 314	Children's Literature	3
Geo 211	World Geography	3
Mth 203	Fundamentals of Math for Elementary Teachers I	3

Mth 204	Fundamentals of Math for Elementary Teachers II	3
Mus 204	Music for Classroom Teachers	3

Liberal Arts Core: 33 credit hours

Bio 100	Introduction to Biology	3
Drm 141	Theatre Appreciation	3
Eng 101	Writing I	3
Eng 102	Writing II	3
Eng 201	Introduction to Fiction I OR	
Eng 202	Introduction to Poetry OR	
Eng 203	Introduction to Drama OR	
Eng 204	Introduction to Literature	3
His 101 OR 102	World Civilization I OR World Civilization II	3
His 201 OR 202	History of US I OR History of US II	3
Phs 110	Integrated Physical Science	3
Pls 200 OR 201	Introduction to Political Science OR American Government	3
Soc 204	Principles of Sociology	3

Electives: To total 128 credit hours

Computer Competency is met through Edu 246.

**B. S. DEGREE with MAJOR and KENTUCKY TEACHER
CERTIFICATION in MIDDLE SCHOOL EDUCATION
(Certification: Middle School, Grades 5-9)**

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

See General Education Requirement for Teacher Education.

Major Subject Requirements:

Professional Education Requirements: 37-40 credit hours

Edu 204	Introduction to Education (<i>transfer students: See Edu 108</i>)	3
Edu 246	Microcomputing in the Classroom	3
Edu 255	Teaching Children with Exceptionalities	3
Edu 301	Growth, Development, and Learning Theory	3
Edu 322	Teaching Reading in the Content Area	3
Edu 324*	Teaching Mathematics	3
Edu 326	Teaching Language Arts in the Content Areas	3
Edu 328*	Teaching Social Studies	3
Edu 329*	Teaching Science	3
Edu 412	Curriculum and Classroom Management for the Middle Grades	3
Edu 422	Student Teaching: Middle Grades	9
Edu 470	Practicum	1
Psy 300	Developmental Psychology	3

**According to Areas of Specialization*

Specialty Area Requirements:

Middle School majors must choose two areas of specialization.

Consult the *Catalog* for specific specialty area requirements for English, Social Studies, Mathematics, and Science. (Special Education can count as one specialty area for Special Education majors.)

Electives:

To total 128 credit hours

Computer Competency is met through Edu 246.

KENTUCKY TEACHER CERTIFICATION in SECONDARY EDUCATION (Certification: Secondary, Grades 8-12)

Required to Graduate:

128 credit hours

General Education Requirement:

57 credit hours

See General Education Requirement for Teacher Education.

Professional Education Requirements:

34 credit hours

Edu 204	Introduction to Education (<i>transfer students: see Edu 108</i>)	3
Edu 246	Microcomputing in the Classroom	3
Edu 255	Teaching Children with Exceptionalities	3
Edu 301	Growth, Development, and Learning Theory	3
Edu 407	Teaching Secondary School Subjects	3
Edu 410	Methods, Materials, and Management	3
Edu 411	History and Philosophy of Education	3
Edu 421	Student Teaching: Secondary	9
Edu 470	Practicum	1
Psy 300	Developmental Psychology	3

Additional Major Requirement:

English:

Edu 327	Teaching Reading: Secondary Schools	3
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Teaching Major Requirement:

Consult Catalog and advisor for specific teaching major requirements for Biology, English, Mathematics, and Social Studies.

Electives:

To total 128 credit hours

Computer Competency is met through Edu 246.

KENTUCKY TEACHER CERTIFICATION in GRADES P-12 ART EDUCATION

Required to Graduate:

133 credit hours

General Education Requirement:

57 credit hours

See General Education Requirement for Teacher Education.

Professional Education Requirements:

37 credit hours

Follow Secondary Education, adding the following:

Edu 413	Curriculum and Classroom Management	3
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Teaching Major Requirements: **32 credit hours**

Consult Catalog and advisor for specific teaching major requirements.

Electives: To total 133 credit hours

Computer Competency is met through Edu 246.

SPANISH EDUCATION

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

See General Education Requirement for Teacher Education.

Professional Education Requirements: **37 credit hours**

Follow Secondary Education, adding the following:

Edu 413	Curriculum and Classroom Management	3
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Select two student teaching placements [combined during one semester for 9 credit hours total] from the following:

Edu 420	Student Teaching: Elementary Education P-5	(9)
Edu 421	Student Teaching Secondary Education (8-12)	(9)
Edu 422	Student Teaching: Middle School Education (5-9)	(9)

Teaching Major Requirements:

Consult Catalog and advisor for specific teaching major requirements.

Electives: To total 128 credit hours

Computer Competency is met through Edu 246.

SPECIAL EDUCATION

The Special Education Program at Brescia University prepares individuals to work as teachers in a variety of settings with children and young adults who have diverse and exceptional learning needs. Brescia's special education offerings include courses leading to P-12 certification and grades 8-12 endorsement in Learning and Behavior Disorders that prepare teachers to work with children with specific learning disabilities, mild mental disabilities, emotional or behavioral disorders, and other disabilities. Students who complete the Learning and Behavior Disorders major are not only certified in Learning and Behavior Disorders, but are also certified in one or more areas of regular education. Students seeking secondary certification through a Brescia program or students who have already completed a secondary certification program elsewhere may obtain an endorsement in Learning and Behavior Disorders (grades 8-12).

Brescia graduates in Special Education now serve as regular, self-contained, and resource room teachers; social service workers specializing in service to persons with handicapping conditions; and as teacher consultants and administrators in the field of Special Education. The Special Education Program is approved by the Kentucky's Education Professional Standards Board and conforms to current certification guidelines.

Students considering a degree in Special Education are advised that certification in two teaching areas (regular and Special Education) will require a program that exceeds the usual 128 credit hours necessary for graduation. Because it may not be possible to complete the program of studies in the traditional eight semesters of undergraduate study, students may need to allow at least one extra semester and/or summer of study to complete the B.S. degree in Special Education.

B. S. DEGREE with a MAJOR and KENTUCKY TEACHER CERTIFICATION in SPECIAL EDUCATION

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

See General Education Requirement for Teacher Education.

Major Subject Requirements: **20 credit hours**

Edu 103	Orientation in Special Education	1
Edu 255	Teaching Children with Exceptionalities	3
Edu 256	Adaptive Physical Education	1
Edu 307	Early Childhood Special Education	3
Edu 337	Behavior Disorders: Techniques and Procedures	3
Edu 350	Diagnosis and Assessment in Special Education	3
Edu 441	Career Education and Family Life	3
Edu 443	Legal Aspects, Parental Issues, and the IEP	3

Note: Persons pursuing a degree in Special Education at Brescia University must seek Kentucky teacher certification in one or more of the following combinations:

- LBD, grades P-12, **AND** Elementary Education, grades P-5; **OR**
- LBD, grades P-12, **AND** Middle School, grades 5-9; **OR**
- LBD, endorsement, grades 8-12; **AND** secondary certification (any area).

KENTUCKY TEACHER CERTIFICATION in the area of LEARNING AND BEHAVIOR DISORDERS (LBD), Grades P-12

LBD Requirements: **13 credit hours**

Edu 334	Introduction to Learning and Behavior Disorders	3
Edu 336	Methods: Learning and Behavior Disorders	3
Edu 440L	Field Work in Special Education: LBD	1
Edu 444L	Student Teaching: LBD	6

LBD Elective: **3 credit hours**

Choose one from the following:

Edu 430	Adaptive and Assistive Technology in MSD: Communication and Curricular Issues	(3)
Sppa 250	Language Development	(3)
Sppa 254	Principles and Practices	(3)

KENTUCKY TEACHER CERTIFICATION in LBD, P-12, with Elementary Education, Grades P-5

Professional Education Requirement:

See Elementary Education, Grades P-5.

- Choose Edu 420L Student Teaching: Grades P-5 **6 credit hours**

Related Subject Requirement:*See Elementary Education, Grades P-5.***KENTUCKY TEACHER CERTIFICATION in LBD, P-12, with Middle School, Grades 5-9****Professional Education Requirement:***See Middle School, Grades 5-9.*

- Choose Edu 422L Student Teaching: Grades 5-9 **6 credit hours**

Related Subject Requirements:**12 credit hours**

Art 370	School Art Methods <i>OR</i>	
Mus 204	Music for Classroom Teachers	3
Edu 213	School Health, Nutrition, Safety, and the Environment	3
Mth 203	Fundamentals of Mathematics for Elementary Teachers I	3
Mth 204	Fundamentals of Mathematics for Elementary Teachers II	3

Academic Emphasis Requirement:**24 credit hours***See specialty area. Only one additional specialty area is required, since Special Education Requirements replace one of the two specialty areas.***ENDORSEMENT in LEARNING and BEHAVIOR DISORDERS, Grades 8-12**

This endorsement shall accompany certification or statement of eligibility for the secondary grades, eight through twelve (8–12), in any content area.

General Education Requirement:**Not Applicable****Professional Education Requirements:***Follow the program for Secondary Certification**PLUS*

Edu 327	Teaching Reading: Secondary Schools	3
<i>(if not already included with secondary certification)</i>		

Special Education Requirements:**23–27 credit hours**

Edu 103	Orientation in Special Education	1
Edu 256	Adaptive Physical Education	1
Edu 334	Introduction to Learning and Behavior Disorders	3
Edu 336	Methods: Learning and Behavior Disorders	3
Edu 337	Behavior Disorders: Techniques and Procedures	3
Edu 350	Diagnosis and Assessment in Special Education	3
Edu 440L*	Fieldwork: Learning and Behavior Disorders	1-3
Edu 441	Career Education and Family Life	3
Edu 443	Legal Aspects, Parent Issues, and the IEP	3
Edu 444L*	Student Teaching: Learning and Behavior Disorders	6

*Students who already have a provisional teaching certificate in Secondary Education and are teaching in a Special Education setting under a probationary certification will complete the three-hour Edu 440L Fieldwork: LBD (an extensive supervised practicum) in lieu of an additional student teaching.

TEACHER EDUCATION COURSE DESCRIPTIONS

Edu 103 Orientation in Special Education

1 credit hour

Observation of selected area special education, vocational preparation, and residential programs. Overview of service delivery systems in special education. Introduction to systematic classroom observation techniques.

Edu 104 Exploring Early Childhood

1 credit hour

Observation of selected area preschools and developmental interventions provided in hospital, center, and home environments. Overview of service delivery systems in interdisciplinary early childhood education. Introduction to systematic classroom observation techniques.

Edu 108 Orientation to School of Education

1 credit hour

Required for the transfer student who has completed the basic "Introduction to Education" course elsewhere; this course orients the student to the Brescia program, its conceptual framework, its educator disposition expectations, its continuous assessment system and practices, and its Ursuline foundation.

Edu 204 Introduction to Education

3 credit hours

Examines the historical, philosophical, and social foundations of education; focus upon the organization, curriculum, and administration of the American school system; review of current educational research. Includes a required field component. May not be taken as directed study. *Prerequisite: Fifteen hours of University course work.*

Edu 213 School Health, Safety, Nutrition, and the Environment

3 credit hours

Required for elementary education majors, this course provides a basic background for understanding how the body functions, health related problems, personal hygiene, good health practices, nutrition, environmental issues, safety measures in the community, and the roles and responsibilities of teachers as advocates for children.

Edu 246 Microcomputing in the Classroom

3 credit hours

Introduction to microcomputer applications, related technology, and technology adaptations for the classroom. Integration of word processing, database, spread sheet, and telecommunications applications. Focuses on software selection and evaluation, teacher utility programs, authoring, adapting software to meet student needs, and application of microcomputers to specific academic areas. Field hours required. *Prerequisite: Word processing competency.*

Edu 255 Teaching Children with Exceptionalities

3 credit hours

Introduction to special education and its relationship with general education, for both regular and special educators. Provides an overview of current issues, legal requirements, definitions, characteristics, educational needs, classroom adaptations, and techniques for teaching children with exceptionalities and those considered to be at risk. Field experience is required. *Prerequisites: Sophomore status; completion of Eng 102 recommended.*

Edu 256 Adaptive Physical Education

1 credit hour

Introduction to physical education and recreation programs for special populations. Overview of safety considerations and proper techniques for lifts, transfers, and positioning. Introduction to accessibility and adaptive needs for persons with orthopedic handicaps. Exposure to variety of orthopedic/adaptive equipment and technological assists.

Edu 257 Physical Education (P-5)*1 credit hour*

Designed to enable understanding of motor and social developmental stages of P-5 students, and to facilitate the acquisition of the skills necessary to conduct programs appropriate to the needs and abilities of those students.

Edu 301 Growth, Development, and Learning Theory*3 credit hours*

This course provides an in-depth study of human growth and development with respect to physical, social, cognitive, gender, emotional, and personality issues, in conjunction with consideration of theories of learning and teaching that apply to student development. Field experience is required. *Prerequisite: Edu 204 or permission of instructor.*

Edu 307 Early Childhood Special Education*3 credit hours*

Course content includes issues, intervention techniques, and service delivery models for infants, toddlers, and preschool children who are considered developmentally disabled or at risk. It also examines transdisciplinary approaches to Individual Family Service Plans, assessment and curriculum, transition, integration; and it explores the developmental and functional approaches to instruction. Field experience is required. *Prerequisite: Admission to School of Education or permission of instructor.*

Edu 308 Infant/Toddler/Preschool Assessment*3 credit hours*

Introduction to and familiarization with a variety of screening, reviewing standardized and non-standardized assessments and procedures for infants, toddlers, and preschoolers. Field experiences in assessment are required. *Prerequisites: Admission to School of Education and completion of Edu 204 and Edu 255, or permission of instructor.*

Edu 309 Family and Agency Services*3 credit hours*

Explores community and professional services that benefit children and families; examines family structures and means of assessing the functional quality of families. Field experiences required. *Prerequisites: Admission to School of Education and completion of SW 280, or permission of instructor.*

Edu 310 Infant/Toddler Curriculum and Methods*3 credit hours*

Methods, materials, assessment, and developmental expectations for planning and providing systematic intervention to infants and toddlers with disabilities (or at risk for disabilities), and their families or care givers. Various service delivery systems and research findings are examined. Field experience is required. *Prerequisite: Admission to School of Education and completion of Edu 307, Edu 308, and Edu 309, or permission of instructor.*

Edu 311 Preschool Curriculum and Methods*3 credit hours*

Methods, materials, and curriculum for planning and providing systematic language-rich instruction and development activities to children from ages three to five in a variety of preschool settings. Focus is on individualized assessments, skill development, family involvement, center development, and appropriate use of technologies. Various service delivery systems and research findings are examined. Field experience is required. *Prerequisites: Admission to School of Education and completion of Edu 307, Edu 308, and Edu 309, or permission of instructor.*

Edu 314 Children's Literature*3 credit hours*

Provides a general overview of the literature appropriate for elementary grades and beyond;

acquaints students with books and their uses in the literature-based approach to teaching. Field Experience required. *Prerequisite: Sophomore status or permission of instructor.*

Edu 315 Adolescent Literature 3 credit hours

Provides a general overview of the literature appropriate for elementary and middle grades; acquaints students with books and their uses in the literature-based approach to teaching. This course fulfills a requirement in the English and Communication component in the curriculum for the Provisional Certificate for Teaching in the Middle Grades. Field Experience required. *Prerequisite: Sophomore status or permission of instructor.*

Edu 319 Social Studies in Elementary Grades 3 credit hours

Prepares teachers at the elementary level to organize and teach social studies concepts, providing them with appropriate content, methodology, and activities for reinforcing those concepts. Field experience is required. *Prerequisites: Completion of a global and a U.S. history course, admission to School of Education, or permission of instructor.*

Edu 320 Science for Elementary Grades 3 credit hours

This course is designed to assist the teacher of the elementary grades in presenting science concepts in an interesting and challenging way so as to help the student acquire and maintain a high level of curiosity about science and to enjoy the information acquired. It will provide models of inquiry and a methodology for teaching the science curriculum. Field experience is required. *Prerequisites: Completion of a biological and a physical science course, admission to School of Education, or permission of instructor.*

Edu 321 Teaching Reading in the Elementary Schools 3 credit hours

This course is designed for elementary school teachers to survey reading research, develop a meaningful repertoire of teaching strategies, and be able to integrate reading skills and materials across the elementary school curriculum. Field placement is required. *Prerequisites: Edu 204 and admission to School of Education or permission of instructor. Edu 314 strongly recommended.*

Edu 322 Teaching Reading in the Content Areas 3 credit hours

This course is designed for middle school teachers. It approaches reading as a cognitive process and offers teaching strategies, skill development strategies, aids, and approaches to assessing the readability of materials in middle school content areas. Field experience is required. *Prerequisite: Admission to School of Education or permission of instructor.*

Edu 323 Math Methods for Elementary Grades 3 credit hours

This course prepares teachers to assist children in acquiring an understanding of mathematical concepts and principles and the operations to which they apply; upon achieving this understanding, children will learn the skills they need to use mathematics effectively in a wide variety of situations. Field experience is required. *Prerequisites: Mth 203, 204, and admission to School of Education or permission of instructor.*

Edu 324 Teaching Mathematics 3 credit hours

A study of the content and methodology for teaching mathematics in the middle school. Deals with process of learning mathematics, content to be taught, and methods of teaching. Not applicable toward a mathematics major or minor. Field experience is required. *Prerequisites: Mth 204 and admission to School of Education or permission of instructor.*

Edu 325 Teaching Language Arts in the Elementary School 3 credit hours

This course is designed for elementary school teachers. The purposes of this course are to

survey the language arts research, examine and evaluate approaches to teaching language arts, and develop teaching strategies and skills that will integrate language arts in the elementary school curriculum. Field placement is required. *Prerequisites: Edu 204 and admission to School of Education or permission of instructor.*

Edu 326 Teaching Language Arts in the Content Areas *3 credit hours*

This course is designed for middle school teachers. The purposes of this course are to survey the language arts research, examine and evaluate approaches to teaching language arts in the content areas, and to develop teaching strategies and skills that will integrate language arts into the middle school content areas. Field placement is required. *Prerequisites: Edu 204 and admission to School of Education or permission of instructor.*

Edu 327 Teaching Reading: Secondary Schools *3 credit hours*

Methods of teaching reading and study skills in content areas; survey of diagnostic instruments, instructional materials, and organization of reading program; focus upon current research and practice. Field experience is required. *Prerequisite: Admission to School of Education or permission of instructor.*

Edu 328 Teaching Social Studies *3 credit hours*

This course is designed to direct prospective teachers in their efforts to organize and conduct successful social studies learning experiences in the middle grades, and to provide detailed information about content to be covered, methods of teaching, materials to be used, and activities appropriate for each content area. Field experience is required. *Prerequisites: Completion of a global and a U.S. history course, Edu 204, and admission to School of Education or permission of instructor.*

Edu 329 Teaching Science *3 credit hours*

This course is designed to give directions to the prospective teacher on how to organize and conduct successful learning experiences in the middle grades and to provide detailed information for each content area, along with appropriate learning activities and methods of teaching science effectively. Field experience is required. *Prerequisites: Completion of a biological and a physical science course and admission to School of Education or permission of instructor.*

Edu 334 Introduction to Learning and Behavior Disorders *3 credit hours*

A survey of the nature and needs of individuals with a variety of mild learning and behavior disorders, including Learning Disabilities, Behavior Disorders, Mild Mental Disabilities, and Orthopedic Handicaps. Considers characteristics, definitions, historical developments, legal requirements, family concerns, and programming and intervention issues. Field experience is required. *Prerequisite: Admission to School of Education or permission of instructor.*

Edu 336 Methods: Learning and Behavior Disorders *3 credit hours*

Methods, materials, and curriculum for planning and providing systematic instruction to individuals with mild learning and behavior disorders. Focus is on individualized diagnosis, strategies, formative evaluation, collaboration, and use of technology in the classroom. Service delivery systems and research findings are examined. Field experience is required. *Prerequisites: Edu 334 and admission to School of Education or permission of instructor.*

Edu 337 Behavior Disorders: Techniques and Procedures *3 credit hours*

Application of behavior management skills with emphasis on changing student behavior; establishing effective behavioral environments; and identifying, monitoring, and charting targeted behaviors. Behavior modification, effective teaching variables, self-monitoring techniques, and other theories are discussed. Field experience is required. *Prerequisite: Admission to School of Education or permission of instructor.*

Edu 350 Diagnosis and Assessment in Special Education 3 credit hours

Instruction in the development and utilization of informal and formal evaluation instruments for use in providing diagnostic/prescriptive teaching in the curriculum areas. Field experience in assessment is required. *Prerequisites: Edu 334 and admission to School of Education or permission of instructor.*

Edu 399 Independent Study 1- 4 credit hours

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Edu 407 Teaching Secondary School Subjects 3 credit hours

Overview of secondary school structure, historical perspective, curriculum, diagnosis, planning. Comprehensive thirty-hour field experience in an area high school is required. May not be taken as a directed study. *Prerequisites: Edu 301 and admission to School of Education or permission of instructor.*

Edu 410 Methods and Materials: Secondary Curriculum 3 credit hours

Examines teaching techniques/strategies for secondary classroom. Focus upon instructional materials in various areas of secondary certification; use of media, micro-teaching. Thirty-hour field experience in student's major discipline is required. May not be taken as a directed study. *Prerequisites: Edu 407 and admission to School of Education or permission of instructor.*

Edu 411 History and Philosophy of Education 3 credit hours

A senior-level seminar in teacher education. Students will read and discuss books with strong literary and intellectual content. Comprehensive fifteen-hour field experience in an area high school is required. *Prerequisite: Admission to School of Education or permission of instructor.*

Edu 412 Curriculum and Classroom Management for the Middle Grades 3 credit hours

This course acquaints the student with the philosophy and organization of the middle school, appropriate curriculum concepts, discipline strategies, and classroom management. Fifteen field hours required. *Prerequisites: Admission to School of Education, junior status, and sixty hours of field experience.*

Edu 413 Curriculum and Classroom Management 3 credit hours

Acquaints the student with management techniques and theory, effective classroom environments, discipline techniques, effective classroom behaviors, conferencing, observation and report-writing skills. Fifteen field hours required. *Prerequisites: Admission to School of Education, junior status, and sixty hours of field experience.*

Edu 420 Student Teaching: Elementary Education, Grades P-5 9 credit hours

Observation, participation, and teaching experiences for minimum of fourteen weeks in

approved public or private schools; minimum of seven weeks in a primary P-2 placement and a minimum of seven weeks in an intermediate grades 3-5 placement. Includes development of professional portfolio. *Prerequisites: Admission to student teaching, course work through the junior year, and completion of all methods courses.*

Edu 420L Student Teaching: Elementary Education, Grades P-5 6 credit hours
Observation, participation, and teaching experiences for a minimum of nine weeks in approved public or private schools; includes development of professional portfolio. Open only to Special Education majors. *Prerequisites: Admission to student teaching, declared special education major, course work through the junior year, and completion of all methods courses.*

Edu 421 Student Teaching: Secondary (8-12) 9 credit hours
Observation, participation, and teaching experiences in approved secondary public or private school for a minimum of fourteen weeks; includes development of professional portfolio. *Prerequisite: Admission to student teaching.*

Edu 422 Student Teaching: Middle School, Grades 5-9 9 credit hours
Observation, participation, and teaching experiences in approved public and private schools — middle grades, 5-9 — for a minimum of fourteen full weeks (typically distributed seven weeks full time in each specialty area); includes development of professional portfolio. *Prerequisites: Admission to student teaching, course work through the junior year, and Edu 412.*

Edu 422L Student Teaching: Middle School, Grades 5-9 6 credit hours
Observation, participation, and teaching experiences in approved public and private schools — middle grades, 5-9 — for minimum of nine full weeks; includes development of professional portfolio. Open only to special education majors. *Prerequisites: Admission to student teaching, declared special education major, course work through the junior year, and Edu 412.*

Edu 426 Professional Laboratory Experiences 4-8 credit hours
A practicum approach to teaching that may include selected laboratory experiences, group/individual sessions, and readings. When appropriate this course could satisfy the requirement for a supervised student teaching requirement. *Prerequisites: For experienced teachers only; approval of program chair and admission to School of Education.*

Edu 430 Adaptive and Assistive Technology: Communication and Curricular Issues 3 credit hours
Explores language development, language disorders associated with students with disabilities, adaptive and assistive technologies, and strategies to promote language and communication. Experiences will include assessment, program development, use and evaluation of technologies, collaborative problem solving. Field experiences will be required. *Prerequisite: Admission to School of Education or permission of instructor.*

Edu 431 Transition to Kindergarten Curriculum and Methods 3 credit hours
Methods, materials, and curriculum for planning and providing systematic instruction to individuals transitioning to and enrolled in kindergarten; included are children with and without identified disabilities. Focus is on individualized diagnosis, strategies, formative evaluation, collaboration, literacy development, and use of appropriate technology in the

classroom. Service delivery systems and research findings are examined. Field experience is required. *Prerequisites: Admission to School of Education and completion of Edu 311 or permission of instructor.*

Edu 432 IECE Infant/Toddler Practicum *3 credit hours*

Supervised intervention experience during the semester immediately preceding student teaching. Focuses on the assessment, design, and implementation of systematic intervention with infants and toddlers and their families. Shadowing of early intervention specialists such as First Steps or other providers. Interventions may occur in centers, in family homes, or with in-patient or out-patient therapists. *Prerequisites: Admission to School of Education and completion of Edu 310, Edu 311, and permission of instructor.*

Edu 433 Student Teaching IECE *9 credit hours*

Observation, participation, and extensive teaching experience with students in preschool and kindergarten settings; includes development of professional portfolio. The experience is for a minimum of seven weeks in two different approved settings (*a minimum of 14 weeks*). *Prerequisites: Admission to Student Teaching, completion of Edu 431, and permission of instructor.*

Edu 440L Field Work in Special Education: LBD *1–3 credit hours*

Supervised teaching experience during the semester immediately preceding student teaching. Focuses on the assessment, design, and implementation of systematic instruction and collaboration practices for students with learning and behavior disorders. Requires fifty field hours (per semester credit hour) and meetings with instructor; recommended is a minimum of fifty hours active field involvement.

Edu 441 Career Education and Family Life *3 credit hours*

Course content includes transition plans, life-centered curricula, materials, and methods to meet the lifelong career, community involvement, family life, and sex education needs of individuals with disabilities. Clinic and field hours required. *Prerequisites: Admission to School of Education and permission of instructor.*

Edu 443 Legal Aspects, Parental Issues, and the IEP *3 credit hours*

Examines laws, regulations, due process procedures, and court decisions that affect special education providers, individuals with exceptionalities, and their families. Also explores communication and counseling issues for working with parents and families. Develops techniques for creating individualized educational programs. *Prerequisites: Admission to School of Education and permission of instructor.*

Edu 444L Student Teaching: Learning and Behavior Disorders *6 credit hours*

Observation, participation and extensive teaching experience with students having learning and behavior disorders; includes development of professional portfolio. The experience is for a minimum of nine weeks in approved public schools. *Prerequisites: Edu 336, admission to student teaching, and permission of instructor.*

Edu 470 Practicum *1 credit hour*

Supervised teaching experience during the semester immediately preceding student teaching. Focuses on the assessment, design, and implementation of systemic instruction and collaboration for Elementary, Middle, and Secondary grades. Required 50 field hours and meetings with instructor.

THEATRE

Brescia’s B.A. in Theatre offers a new approach to the traditional theatre degree through the collaboration of higher education institutions and a professional performing arts center [Owensboro’s RiverPark Center (RPC)]. Coursework will integrate a technical practicum and allow students to put theory into practice by studying and working with professional theatre artists. The four (4) basic three-hour technical courses (fundamentals of production, stagecraft, stage electrics, costume design and make up) will be taught at Owensboro Community and Technical College (OCTC) and be seamlessly incorporated into the Brescia degree program through a shared agreement. This arrangement allows Brescia students to use high quality technology, computer systems, and other technical equipment designed specifically for theatre arts. The one (1) hour technical practicum will be taught/supervised by Brescia faculty.

Students will have the opportunity to design and mount productions on campus as well as participate in building professional touring shows and perform production work for special events (e.g., Murder Mystery Festival and Broadway Series); they will also participate in lectures and workshops with New York and Los Angeles based theatre, film, and television professionals. Ideally, practicum work will begin in the freshman year as a supplement to basic technical courses.

The academic minor in Theatre offers students the opportunity to add a theatre perspective to their degree that includes training in technical, performance, historical, and literary aspects of theatre. As with the B.A. in Theatre, the program will exist in collaboration with OCTC and the RiverPark Center to provide the 4 basic technical courses; the balance of the course work will be available at Brescia.

In addition to the B.A. and academic minor in theatre, a number of courses offered in the drama area fulfill general education requirements (GERs). Theatre offerings provide both content and performance based courses that allow students to add a theatre perspective to their degree. Drama production is also an extracurricular activity which provides an opportunity for theatre performance and participation in a variety of off-campus activities including presentations for local schools and civic groups.

B. A. DEGREE WITH A MAJOR IN THEATRE

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Drm 141, Theatre Appreciation, is strongly recommended as a general education course in the Fine Arts area.

Major Subject Requirements: 30 credit hours

OCTC Courses

Tha 141	Costume Design and Makeup	3
Tha 150	Fundamentals of Production	3
Tha 250	Stage Electrics	3
Tha 260	Stagecraft	3

Brescia University Courses

Drm 120	Basic Methods of Acting	3
Drm 130	Theatre Practicum I	1
Drm 230	Theatre Practicum II	1

Drm 330	Theatre Practicum III	1
Drm 381	History of Drama	3
Drm 495	Principles of Directing	3
Drm 497	Senior Project/Practicum	3

Choose one (1) of the following:

Eng 203	Introduction to Drama OR	(3)
Eng 360	Introduction to Shakespeare	(3)

Major and Related Subject Electives:

12 credit hours

Select four (4) courses from the following list:

Drm 300	Advanced Acting	(3)
Drm 321	Readers Theatre	(3)
Drm 325	Oral Interpretation	(3)
Drm 390/490	Special Topics	(3)
Eng 301-4	Creative Writing	(3)
Eng 432	Shakespeare	(3)
Mgt 306	Management Concepts	(3)
Mkt 307	Marketing Concepts	(3)

Electives:

To total 128 credit hours

Computer Competency is met through IdC 100.

ACADEMIC MINOR IN THEATRE

21 credit hours

Theatre Requirements:

12 credit hours

Drm 120	Basic Methods of Acting	3
Drm 381	History of Drama	3

Select one (1) course from the following technical courses from OCTC/RPC: 3

Tha 141	Costume Design and Makeup	(3)
Tha 150	Fundamentals of Production	(3)
Tha 250	Stage Electrics	(3)
Tha 260	Stagecraft	(3)

*Select one (1) additional course from the OCTC list of technical courses **OR***

Drm 321	Readers Theatre	3
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Minor Electives:

Select three (3) courses from the following:

9 credit hours

Drm 130/230/330	1-hour practicum (x 3)	(3)
Drm 300	Advanced Acting	(3)
Drm 321	Readers Theatre	(3)
Drm 325	Oral Interpretation	(3)
Drm 390/490	Special Topics	(3)
Drm 495	Principles of Directing	(3)
Eng 203	Introduction to Drama	(3)
Eng 360	Introduction to Shakespeare	(3)
Tha 141	Costume Design and Makeup (OCTC & RPC)	(3)
Tha 250	Stage Electrics (OCTC & RPC)	(3)
Tha 260	Stagecraft (OCTC & RPC)	(3)

THEATRE COURSE DESCRIPTIONS

*GER Approved Course

Drm 120 Basic Methods of Acting3 credit hours*

A course designed to introduce students to basic theoretical and practical techniques of movement, improvisation, and character study with practical application through performance of selected play scenes.

Drm 130 Theatre Practicum I*1 credit hours*

Practicum courses are designed to supplement academic studies with the unique opportunity to receive training and work experience in a professional performing arts facility (e.g., RiverPark Center). Courses are planned and evaluated training experiences that integrate classroom theory with practical hands-on back stage theatrical work. *Prerequisite: Permission of Program Coordinator.*

Drm 141 Theatre Appreciation3 credit hours*

A course designed for the beginning student that introduces and develops an appreciation for theatrical trends, styles, and historical developments. The course also develops a basic skill for reading, viewing, and evaluating plays.

Drm 230 Theatre Practicum II*3 credit hours*

Practicum courses are designed to supplement academic studies with the unique opportunity to receive training and work experience in a professional performing arts facility (e.g., RiverPark Center). Courses are planned and evaluated training experiences that integrate classroom theory with practical hands-on back stage theatrical work. *Prerequisite: Permission of Program Coordinator.*

Drm 300 Advanced Acting*3 credit hours*

A course designed to build on theory and skills learned in the basic acting class and advanced study in character analysis/relationships with practical application through performances of selected play scenes. *Prerequisite: Drm 120.*

Drm 321 Readers Theatre3 credit hours*

Designed to introduce students to the basic tenets of performance studies through an investigation of Readers Theatre, its roots in the oral tradition, and its evolution into a modern discipline. Students will participate in the creation, selection, adaptation, and staging of literature in performance. *Prerequisite: Junior/senior status or permission of instructor.*

Drm 325 Oral Interpretation3 credit hours*

A course designed to introduce students to the artistic process of studying literature through performance, with a focus on poetry and prose. This performance-based course serves as an upper-division elective for fulfillment of the Fine Arts GER. Introduction to the concepts of Oral Interpretation of Literature will be presented, and evaluated practice in the selection, adaptation, and presentation of poetry and prose in performance will be provided. The course is generally taught in the online format, but is offered in regular session as needed. *Prerequisite: Junior/senior status or instructor permission.*

Drm 330 Theatre Practicum III*3 credit hours*

Practicum courses are designed to supplement academic studies with the unique opportunity to receive training and work experience in a professional performing arts facility (e.g., RiverPark Center). Courses are planned and evaluated training experiences that integrate classroom theory with practical hands-on back stage theatrical work. *Prerequisite: Permission of Program Coordinator.*

Drm 381 History of Drama3 credit hours*

A survey of theatre history that explores the development, literature, and criticisms of drama from the Greeks to modern times. *Prerequisite: Junior/senior status or permission of instructor.*

Drm 390/490 Special Topics in Theatre*3 credit hours*

Special topics courses are designed to provide an opportunity for students to explore specialized topics in theatre (e.g., festival production, theatre management, etc.). Topics will be selected in conjunction with production projects at the local professional performing arts center (e.g., RiverPark Center). *Prerequisite: Permission of Program Coordinator.*

Drm 399 Independent Study*1-4 credit hours*

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Drm 495 Principles of Directing*3 credit hours*

A course designed to teach students theory and techniques of directing with practical application through student direction of selected play scenes. *Prerequisites: Junior/senior status, Drm 120, or permission of instructor.*

Drm 497 Senior Project/Practicum*3 credit hours*

The senior practicum is a capstone for practical application of theory addressed in theatre course work. Under supervision, the student will plan and implement an on-campus senior project (e.g., direct a one-act play) or will perform/work at a higher level of responsibility on a project/performance at the local professional fine arts center facility (e.g., RiverPark Center). *Prerequisite: Senior status and/or permission.*

OCTC Courses**Tha 141 Costume Design and Makeup***3 credit hours*

The aim of this course is to provide an overall look at the technical side of stage costumes, with an emphasis on construction. It includes a unit on stage makeup. Lecture 2 hours and laboratory 5 hours.

Tha 150 Fundamentals of Production*3 credit hours*

A comprehensive study of the basic organizational structure processes and techniques involved in theatre design, technology, and management, with particular reference to the RiverPark Center.

Tha 250 Stage Electrics*3 credit hours*

A comprehensive study of stage lighting in principle and practice. It is a lecture/laboratory course concentrating on the fundamentals of circuits, instrumentation, and operation of stage lights. *Prerequisite: Tha 150 or permission.*

Tha 260 Stagecraft*3 credit hours*

Study of theory, principles, and techniques of stage construction. Assignments in laboratory and backstage during rehearsals and performance are essential hands-on experience for this course. Lecture 2 hours and laboratory 5 hours. *Prerequisite: Tha 150 or permission.*

THEOLOGY

The Theology program is grounded in the Roman Catholic faith tradition and reflects the Second Vatican Council's commitments to ecumenism, religious liberty, a deeper study of the wellsprings of the sources of the Catholic tradition, and a reaffirmation of traditional religious vocations. The Theology curriculum offers courses that serve: (1) to satisfy the University's General Education Requirements; (2) to provide the requirements for an area of emphasis in the Integrated Studies major; (3) to provide the major subject requirements and electives for the degree in Theology with an Emphasis in Pastoral Studies; and (4) to fulfill the requirements for the major or minor in Theology. The Theology major, and to lesser extents the minor and the Integrated Studies major, serve to prepare the student for graduate work in theological studies. Brescia University also offers an online program in Theology with an Emphasis in Pastoral Studies that coheres with the on-site program.

B. A. DEGREE WITH A MAJOR IN THEOLOGY

Required to Graduate: 128 credit hours

General Education Requirement: 57 credit hours

Major Subject Requirements: 27 credit hours

Th 101	Introduction to the Old Testament	3
Th 105	Introduction to the New Testament	3
Th 110	The Catholic Faith: An Introduction to Theology	3
Th 219	World Religions	3
Th 303	Catholic Moral Tradition and Contemporary Issues	3
Th 312	The Sacraments of the Catholic Community	3
Th 318	Faith and Justice: The Gospel and Social Values	3
Th 320	The Church	3
Th 480	Development of Catholic Doctrine	3

Major Subject Electives: 9 credit hours

Three courses from the following list (at least two of which must be upper level):

Th 223	Spirituality and Vocation	(3)
Th 241	Catholic Liturgy	(3)
Th 302	Christian Marriage and Family	(3)
Th 304	Pauline Epistles	(3)
Th 305	Israel's Prayer and Wisdom	(3)
Th 306	The Beatitudes and Parables of Jesus	(3)
Th 310	Women in Christian Tradition	(3)
Th 399	Independent Study	(3)

Related Subject Requirements: 6 credit hours

His 339	History of Christianity to 1648	3
Phl 103	Introduction to Philosophy OR	
Phl 325	Metaphysics	3

Electives: To total 128 credit hours

Computer Competency is met through IdC 100.

B. A. DEGREE WITH A MAJOR IN THEOLOGY with an EMPHASIS in PASTORAL STUDIES

The Theology with an Emphasis in Pastoral Studies degree (1) prepares students desiring to enter a vocation of Lay Ecclesial Ministry upon graduation; (2) prepares students desiring to study theology and ministry at the graduate level in preparation for a vocation to Lay Ecclesial Ministry or religious life; and (3) offers an opportunity for a double major for students interested in theology and ministry but who have decided on a different career path. This degree is available both on campus and as an online program.

Required to Graduate: **128 credit hours**

General Education Requirement: **57 credit hours**

Major Subject Requirements: **21 credit hours**

Th 101	Introduction to the Old Testament	3
Th 105	Introduction to the New Testament	3
Th 110	The Catholic Faith: An Introduction to Theology	3
Th 320	The Church	3
Th 480	Development of Catholic Doctrine	3

Choose ONE (1) of the following:

Th 303	Catholic Moral Tradition and Contemporary Issues	OR
Th 318	Faith and Justice: The Gospel and Social Values	3

Choose ONE (1) of the following:

Th 304	Pauline Epistles	OR
Th 305	Israel's Prayer and Wisdom	OR
Th 306	The Beatitudes and Parables of Jesus	3

Pastoral Studies Requirements: **15 credit hours**

Th 109	Introduction to Ministry	3
Th 212	Basics of Catechesis	3
Th 223	Spirituality and Vocation	3
Th 312	The Sacraments of the Catholic Community	3
Th 490	Christian Ministry Internship	3

Related Subject Requirements: **6 credit hours**

His 339	History of Christianity to 1648	3
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Choose ONE (1) of the following:

Phl 103	Introduction to Philosophy	OR
Phl 325	Metaphysics	3

Electives: To total 128 credit hours

Computer Competency: through IdC 100 for traditional students; assumed for online students.

THEOLOGY ACCELERATED B.A./M.A. COMPONENTS

Brescia University has crafted partnerships with two nationally recognized graduate programs in theology and ministry – Aquinas Institute of Theology and Saint Meinrad School of Theology.

The articulation agreement with the Aquinas Institute of Theology in St. Louis offers an accelerated program for students to earn both the B.A. in Theology with an Emphasis in Pastoral Studies from Brescia University and either the M.A. in Theology or the M.A. in Pastoral Studies (this can be combined with a Masters in Social Work) from Aquinas Institute of Theology at an accelerated pace through advanced standing credit with Aquinas Institute. Near the end of a student's program of study at Brescia, a student choosing to participate in this program would register for the Brescia course, Th 475 — Advanced Tutorial in Theology. This Brescia course counts as three major elective credits toward his or

her major. The actual course of study is then taught by Aquinas Institute faculty. Upon the student's successful application, acceptance, and matriculation to Aquinas Institute of Theology, that course work would account for advanced standing of six (6) graduate credits with Aquinas Institute.

The articulation agreement with Saint Meinrad School of Theology in southern Indiana offers an accelerated program to earn both the B.A. in Theology with an Emphasis in Pastoral Studies from Brescia University and the Master of Theological Studies (MTS) from Saint Meinrad School of Theology. In the latter half of the student's program of study at Brescia, a student choosing this program would register for Brescia's Th 312 — Sacraments — course, but would instead take a graduate level course in Sacraments at Saint Meinrad in order to fulfill that requirement. Upon successful completion of the Saint Meinrad course, the student would receive both graduate and undergraduate credit at the respective institutions. In addition, students interested in this program will also receive three (3) graduate credit hours in systematic theology at Saint Meinrad for successfully completing Brescia University's Th 480 — Development of Doctrine. This course has been designed as a capstone course that challenges students to do graduate-level work, focusing particularly on writing. In addition, Saint Meinrad School of Theology will waive up to twelve (12) additional credit hours of graduate work for any graduate of this Brescia major who maintains a grade of "B" or higher in all courses within the major.

ACADEMIC MINOR IN THEOLOGY

Theology Studies Requirements: 18 credit hours

Th 101	Introduction to the Old Testament	3
Th 105	Introduction to the New Testament	3
Th 110	The Catholic Faith: An Introduction to Theology	3
Th 303	Catholic Moral Tradition and Contemporary Issues	3
Th 312	The Sacraments of the Catholic Community	3
Th 318	Faith and Justice: The Gospel and Social Values	3

Theology Elective: 3 credit hours

Choose ONE (1) of the following:

Th 223	Spirituality and Vocation	(3)
Th 304	Pauline Epistles	(3)
Th 310	Women in Christian Tradition	(3)
Th 320	The Church	(3)
Th 480	Development of Catholic Doctrine	(3)

Related Subject Requirements: 6 credit hours

His 339	History of Christianity to 1648	3
Phl 103	Introduction to Philosophy	3

Course Equivalencies for the Diocese of Evansville Interdiocesan Core Curriculum

[Unless otherwise noted, the EV course is equivalent to the TH course with the same number].

EV 101	Introduction to the Old Testament	3
EV 105	Introduction to the New Testament	3
EV 110A	The Trinity	2
EV 110B	Fundamental Christology	2

(EV 110A and 110B are equivalent to TH 110)

EV 210	The Nature and Development of Church (prerequisite for EV 241 and EV 312; equivalent to TH 320)	3
EV 241	Introduction to Liturgical Prayer (prerequisite for EV 312)	3
EV 231	Fundamental Moral Theology (EV 231 is equivalent to Phl 231)	3
EV 312	Introduction to the Sacraments	3
EV 323	Nature and Development of Christian Spirituality	3

THEOLOGY COURSE DESCRIPTIONS

*GER Approved Course

***Th 101 Introduction to the Old Testament** 3 credit hours

An examination of the texts of the Old Testament from the perspective of modern biblical scholarship. The historical, literary, theological, and spiritual dimensions of this literature will be explored.

***Th 105 Introduction to the New Testament** 3 credit hours

An examination of the New Testament texts from the perspective of modern biblical scholarship. The historical, literary, theological, and spiritual dimensions of this literature will be explored.

Th 109 Introduction to Ministry 3 credit hours

An overview of ministry in the Church, historically and currently, and its implications for those exploring the call to serve the Church in professional roles of ministry. This course includes self-reflection and discernment; ministry field experiences; an introduction to Church documents on ministry; an overview of the *National Certification Standards for Lay Ecclesial Ministry*. *Prerequisite: Permission of instructor.*

***Th 110 The Catholic Faith: An Introduction to Theology** 3 credit hours

An introduction to Catholic theology and faith tradition, this course examines how the Church prayerfully receives, seeks to understand, and communicates God's revelation to humanity. The course consists of an overview of both important and distinctive Catholic beliefs and practices in light of the Second Vatican Council. *Prerequisite: Th 101 or Th 105 is recommended.*

Th 212 Basics of Catechetical and Youth Ministry 3 credit hours

This introductory course in catechetics and evangelization is designed for persons responsible for any of the major catechetical components of parish life, including Sacramental preparation and RCIA, religious education, youth ministry, and adult faith formation. Topics include a history of catechesis, the nature and purpose of evangelization and catechesis, the catechetical dimensions of ministry, faith development theory, and techniques and practice of planning effective catechetical sessions and activities.

***Th 219 World Religions** 3 credit hours

This course examines the Indian religions of Hinduism and Buddhism; the Chinese and Japanese religions of Confucianism, Taoism, and Shintoism; and the religions of Judaism and Islam in the Mid-East. *Prerequisite: Sophomore status is recommended.*

***Th 223 Spirituality and Vocation** 3 credit hours

This course will introduce students to great spiritual figures and their writings from within

the western tradition. In addition to the above classics, students will also engage contemporary spiritual writers as a way of developing a spirituality commensurate with any vocation or life choice. Students will be asked to craft a spiritual autobiography that integrates their life story with the expected major and career choices they currently may be discerning.

Th 241 Catholic Liturgy *3 credit hours*
This course examines the historical and theological foundations of Catholic liturgy, and the liturgical documents, principles, and norms that shape the contemporary reform and practice mandated by Vatican II. Notable attention is given to the liturgical assembly, liturgical symbols, roles of ministry, and the various liturgical rites of Catholic worship. *Prerequisite: Th 110 or permission of instructor.*

***Th 302 Christian Marriage and Family** *3 credit hours*
This course deals with the meaning of marriage as a sacrament, the history of Catholic teaching on marriage and family, and the myths and realities of marriage. This course also explores practical ways to enrich marriage and foster married and family spirituality. *Prerequisite: Th 101 or Th 105 is recommended.*

***Th 303 Catholic Moral Tradition and Contemporary Issues** *3 credit hours*
This course will explore Catholic moral tradition and its application to personal and social moral issues. Specific issues discussed will vary according to contemporary moral relevance. *Prerequisite: Th 110.*

***Th 304 Pauline Epistles** *3 credit hours*
A study of the letters of St. Paul from the perspective of modern historical-critical scholarship. The course analyzes Pauline teaching as one of the major components of ancient Christian tradition and explores its significance in the contemporary Church. *Prerequisite: Th 105 or permission of instructor.*

***Th 305 Israel's Prayer and Wisdom** *3 credit hours*
This course examines the book of Psalms, including its place in the life of Jewish and Christian worshipping communities. It also analyzes the traditions of the sages of Ancient Israel contained in the books of Proverbs, Job, Sirach, Wisdom, and the Song of Songs. *Prerequisite: Th 101 or permission of instructor.*

***Th 306 The Beatitudes and Parables of Jesus** *3 credit hours*
A study of the Beatitudes that emphasizes their implications for Western Christians. An investigation of the parable form, its significance and theology, using a combination of form-critical, theological, and literary approaches to the parables. *Prerequisite: Th 105 or permission of instructor.*

Th 309 Rural Ministry *3 credit hours*
Provides an orientation to Church ministry in the rural small town. The course will present a theology of Church in mission and ministry that gives vision, cultural understandings, and strategies to be applied to ministry in the rural setting. Special emphasis will be placed on understanding evangelization, ecumenism, and fundamentalism.

***Th 310 Women in Christian Tradition** *3 credit hours*
Examines the experience of women in the Christian Communion of the past and provides a Scriptural and theological background needed for a better understanding of the place of

women in the Christian Communion and in society today. *Prerequisite: Sophomore status; Th 101 or Th 105 is recommended.*

***Th 312 The Sacraments of the Catholic Community 3 credit hours**

Discussion of the meaning of the sacraments from an historical, theological, and spiritual perspective, emphasizing their communitarian aspect. Special emphasis will be placed on Baptism and Eucharist as constitutive of the Church. *Prerequisite: Th 110 or Th 241.*

***Th 318 Faith and Justice: The Gospel and Social Values 3 credit hours**

This course examines why a concern for social, economic, and political justice is rooted in and demanded by the Gospel and mission of the Church. It presents the problem of structural injustice and possible strategies for alternatives. Issues such as human rights, abortion, poverty, hunger, racism, sexism, pollution, and war are studied. *Prerequisite: Th 105 recommended.*

***Th 320 The Church 3 credit hours**

A theological study of the nature and mission of the Church. The course investigates the Church from the following perspectives: its beginnings, as reflected in the New Testament and early Christian literature; the history of Catholic ecclesiology; the models analysis of Avery Dulles, S.J.; and the documents of Vatican Council II. *Prerequisite: Th 105.*

Th 399 Independent Study 1-4 credit hours

This course designates a field of study that is not part of the regular curriculum. It is generally offered based on student interests and needs. *Prerequisite: Submission and approval of "Application for Admission to Independent Study."*

Th 418 The Rite of Christian Initiation of Adults and Conversion 3 credit hours

An in-depth study of the rites of Christian initiation of adults from the perspectives of the dynamics of religious conversion and the pastoral, sacramental processes of initiation into the Catholic faith community. This course is designed as a preparation for ministry in the RCIA process. *Prerequisites: Th 241 and Th 320, or permission of instructor.*

Th 450 Pastoral Care, Leadership, and Ethics 3 credit hours

This course focuses on the leadership and communication needed in pastoral ministry situations. Topics include: (1) a vision and praxis of pastoral care and leadership; (2) effective communication and relational skills; (3) church organizational development; (4) professional ministerial ethics in the light of the *National Certification Standards for Lay Ecclesial Ministry*; (5) Church law and civil law in ministry; and (6) portfolio and internship orientation. *Prerequisite: Any one of the following: Psy 102, 105, or Soc 204.*

Th 475 Advanced Tutorial in Theology with Aquinas Institute of Theology 3 credit hours

This Brescia University course is normally offered during the summer session and is taught in cooperation with the Aquinas Institute of Theology (AIT) of St. Louis, Missouri. Successful completion of this course offers the student advanced standing of six (6) graduate credit hours at AIT upon: Application and academic acceptance into AIT; enrollment in an AIT graduate program in Theology and/or Pastoral Studies. After the student registers for Th 475, an independent learning contract between the Brescia University student and the AIT instructor of the Advanced Tutorial is created. The learning contract builds upon material previously mastered by the student through linking two distinct sub-disciplines of theology for a focused study (e.g., the sub-disciplines of Church History and Liturgy would be linked in a way that afforded the student an in-depth study of the development of the liturgy

and sacraments within the historical context of the Middle Ages). The contract will outline a course of reading to be completed; arrange for a two-day face-to-face seminar with the instructor in Saint Louis; and a final graduate-level research paper of roughly fifteen pages to be submitted and graded by the AIT instructor. Three undergraduate credits will be awarded to the student as a major elective. Students are responsible for their own travel, housing, and food costs associated with the two-day seminar in St. Louis. *Prerequisite: Students from any major may enroll in Th 475 so long as they have completed nine (9) credits of theology, six (6) of which must be upper-division theology credits.*

Th 480 Development of Catholic Doctrine 3 credit hours

This course explores the development of Catholic doctrine as an historical, cultural, and theological process. Christian worship, the teachings of theologians, the devotions of popular piety, creeds, and other official pronouncements of church councils and popes through the ages shape and carry this process forward. Such enculturation and doctrinal development will be analyzed in seminar fashion through the lenses of church teachings on the Trinity, Jesus, and Mary. *Prerequisites: Th 110 and permission of instructor.*

Th 490 Christian Ministry Internship 3 credit hours

This field experience is structured to be a direct preparation for beginning professional ministry. As such, it assists the student in attaining the level of theological reflection, the breadth of pastoral theology, the depth of ministry competence, the spirit of collaboration, and the standard of professional ministry practice to be achieved at the B.A. level. Its goal, furthermore, is to provide a senior level integration of the basic areas of preparation for contemporary ministry. *Prerequisites: Senior status and permission of instructor.*

WOMEN'S STUDIES

The minor in Women's Studies is an interdisciplinary program that focuses on women and gender, challenging students to acquire new perspectives and interpretations of women's diverse experiences, their history, and their changing roles in society. Courses in the Women's Studies minor help students link critical thinking to empowerment and to social responsibility.

The minor in Women's Studies complements most majors and is relevant to both male and female students seeking a liberal arts education. Students considering careers in law, medicine, social work, education, counseling, business, politics, and many other fields will benefit from the content and the analytical skills emphasized in Women's Studies courses.

The requirements for all Women's Studies minors are as follows:

1. a minimum of twenty-one credits in approved courses, at least twelve of which must be at the 300-level or above;
2. a minimum grade of "C" in all courses used to fulfill minor requirements; and
3. completion of an approved minor program signed by the academic advisor for the Women's Studies minor. Any changes to this form must be approved in writing by the advisor.

ACADEMIC MINOR IN WOMEN'S STUDIES

Course Requirements:

21 credit hours

Required Core Course:**3 credit hours**

WS 499	Women's Studies Seminar	3
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Interdisciplinary Electives:**18 credit hours**

Choose courses from a minimum of three disciplines with no more than three courses in any one discipline:

Eng 396	Women's Literature	(3)
His 330	History of Women in America	(3)
Pls 250	The Law and Social Issues	(3)
Psy 201	Women and Psychology	(3)
Psy 230	Women and Men: Their Relationships	(3)
Psy 300	Developmental Psychology	(3)
Soc 310	Minority Relations	(3)
SW 326	Women at Risk	(3)
Th 302	Christian Marriage and Family	(3)
Th 310	Women in Christian Tradition	(3)
WS 302	Contemporary Women	(3)

WOMEN'S STUDIES COURSE DESCRIPTIONS

*GER Approved Course

WS 302 Contemporary Woman3 credit hours*

This course explores many of the issues and theories that are necessary to an understanding of women's status, roles, and experiences today; it challenges students to envision alternatives to present systems of inequality. *Prerequisite: Sophomore status.*

WS 499 Seminar in Women's Studies*3 credit hours*

This course provides the capstone experience for students declaring a minor in Women's Studies. It encourages the integration of the interdisciplinary courses and challenges students to acquire a new understanding of women's diverse experiences. *Prerequisite: Completion of fifteen credit hours in courses approved for Women's Studies.*

PRE-PROFESSIONAL PROGRAMS**PRE-DENTISTRY PROGRAM**

A student planning to enter dental school typically earns a B.S. degree in biology at Brescia University. The Brescia student is made aware of the importance of adequate preparation through course work, supplemental reading, and counseling in preparation for the Dental Aptitude Test (DAT).

PRE-ENGINEERING PROGRAM

Engineering schools require a basic program of instruction in conjunction with the specified engineering courses necessary to obtain a bachelor's degree in any branch of engineering. The two-year program at Brescia is designed to prepare the student so that an additional two years is usually sufficient to complete the B.S. degree requirements of an accredited engineering school. Students having a weak mathematical background will need more than two years of study at Brescia to complete the basic program. (See also the A.S. degree in Engineering Studies and the Dual Degree Program in Chemistry/Chemical Engineering with the University of Louisville.)

Required Courses:		66 credit hours
Chm 101	General Chemistry I	3
Chm 101L	General Chemistry I Lab	1
Chm 102	General Chemistry II	3
Chm 102L	General Chemistry II Lab	1
CS 110	Programming I	3
CS 111	Programming II	3
Eco 201	Economics Concepts I	3
Eco 202	Economics Concepts II	3
Eng 101	Writing I	3
Eng 102	Writing II	3
Mth 211	Calculus I	4
Mth 212	Calculus II	4
Mth 213	Calculus III	4
Mth 305	Differential Equations	3
PhS 201	General Physics I	3
PhS 201L	General Physics I Lab	1
PhS 202	General Physics II	3
PhS 202L	General Physics II Lab	1
Sph 110	Public Speaking	3
One (1) Sociology and Behavioral Science Requirement:		3
Electives:		9

PRE-LAW PROGRAM

The official statement of the American Association of Law Schools emphasizes the preference of law schools for students with a broad educational background — capable of critical and creative thinking, with a facility in writing and speaking. A pre-law student at Brescia University follows the general education requirements of the University for all students during the first three or four semesters. A major is chosen no later than the junior year, with emphasis on breadth of knowledge in the area rather than specialization. Throughout this time the faculty advisor guides the student, giving careful consideration to personal interests, career plans, and law school qualifications. Almost all law schools require a bachelor's degree, but no specific major is required. Many students find that a background in history, political science, or literature is excellent preparation for law school; others have selected majors from the social sciences, business, or the natural sciences. For students who wish an already determined course of study, an interdisciplinary major in Pre-Law Studies is being developed; students should consult the Brescia website, <http://www.brescia.edu/social-and-behavioral-sciences>, for specific details.

The pre-law advisor at Brescia University maintains information on the Law School Admissions Test (LSAT) and a collection of law school catalogs. These materials are available for study by individual students.

PRE-MEDICAL SCIENCES PROGRAM

Pre-Medicine

A student in the pre-medical program works in close consultation with pre-professional advisers. Courses are offered regularly, and each student's work is evaluated periodically in view of her/his professional goal.

Pre-Nursing Program

The following courses will meet the prerequisites necessary for making application to the University of Louisville BSN program:

- Eng 101, Eng 102, Sph 110
- Phl 110 and Phl 231 **OR** Phl 347
- Psy 105, Psy 300, Soc 204
- Mth 250 **OR** 313; and one of the following Mth 111, 112, 113, **OR** 211
- His 101 **OR** 102; Art 180 **OR** 280 **OR** 281 **OR** Drm 141
- Eng 201 **OR** 202 **OR** 204 **OR** Phl 103
- SW 310 **OR** Th 219 **OR** Mus 305
- Soc 325 **OR** Sw 280 **OR** 301 **OR** 302 **OR** 310
- Chm 100
- Bio 112, 115, 201, 305, 311, 311L, and either 305L **OR** 201L (or both)

See also the ASSOCIATE OF SCIENCE IN HEALTH SCIENCES degree, pp. 73-74 above.

Pre-Optometry Program

The pre-optometry program satisfies the pre-professional requirements of optometry schools. Course work includes chemistry, physics, mathematics, biology, and a battery of liberal arts courses. The student is advised to seek out and fulfill the pre-professional requirements of the optometry school to which s/he intends to apply.

Pre-Pharmacy Program

Admission to a college of pharmacy typically requires courses in English, mathematics, chemistry, biology, economics, and the humanities. To fulfill R.Ph. degree requirements, most colleges of pharmacy recommend the 2-3 plan, (two years of college work followed by three years of professional work in a college of pharmacy). To fulfill Ph.D. degree requirements, many colleges of pharmacy recommend the 2-4 plan, (two years of college work followed by four years of professional work in a college of pharmacy). The student is advised to seek out and fulfill the pre-professional requirements of the college of pharmacy to which he/she intends to apply.

The following two-year sequence includes the courses required for admission to all colleges of pharmacy:

Required Courses:		49 credit hours
Bio 105/L	Ecology and Evolution and Lab	3/1
Bio 115/L	Molecular and Cellular Biology and Lab	3/1
Bio 311/L	Microbiology and Lab	3/1
Chm 101/L	General Chemistry I and Lab	3/1
Chm 102/L	General Chemistry II and Lab	3/1
Chm 301/L	Organic Chemistry I and Lab	3/1
Chm 302/L	Organic Chemistry II and Lab	3/1
Eco 201	Economic Concepts I	3
Eng 101	Writing I	3
Eng 102	Writing II	3
Mth 211	Calculus I	4
PhS 201/L	General Physics I and Lab	3/1
PhS 202/L	General Physics II and Lab	3/1
Recommended Courses:		13 credit hours
Chm 205/L	Quantitative Analysis and Lab	3/1

Chm 409 OR Chm 410	Biochemistry I OR Biochemistry II	3
Eco 202	Economic Concepts II	3
Mth 313	Probability and Statistics	3

Pre-Physical Therapy

Physical therapy is generally a doctoral graduate program. The requirements for entrance into programs at Kentucky universities currently include biology (anatomy and physiology and/or general biology), chemistry, physics, psychology, and statistics. Other courses may be required by individual programs; therefore, students are encouraged to identify programs of interest and, working with the pre-professional advisor, ensure that they include such courses in their undergraduate program.

Pre-Podiatric Medicine

Requirements for admission to podiatric medical schools include general biology, general and organic chemistry, physics, and English, all of which are part of the biology major. A student interested in podiatric medicine is encouraged to identify the program of interest and to work closely with the health professional advisory committee for successful preparation for entrance into schools of podiatry.

Pre-Veterinary Medicine

Admission to medical school and veterinary medical school typically require the Bachelor of Science degree with a major in biology. The pre-medical program satisfies the requirements of veterinary medical schools with the exception of agriculture courses, which must be taken elsewhere.

PRE-PROFESSIONAL PROGRAM IN THE AREA OF SPEECH/AUDIOLOGY

The American Speech-Language-Hearing Association has developed knowledge and skill acquisition (KASA) expectations for students engaged in speech pathology and audiology educational and clinical endeavors. The Speech Pathology and Audiology program at Brescia University conforms closely to those expectations. The student who chooses the pre-professional program track in Speech Pathology/Audiology will work closely with her/his advisor to ensure successful preparation prior to professional graduate school application. Students choosing this program are directed to see the area of Speech Pathology/Audiology of this *Catalog*.

GRADUATE PROGRAMS

MASTER OF BUSINESS ADMINISTRATION (MBA)

Description: The MBA is a 15-month accelerated MBA program designed specifically for the experienced, time-conscious professional with leadership potential and strong quantitative skills. This MBA experience adds depth and fluency in business concepts to participants' technical skills and prepares students for broader leadership roles in their industries.

Goals and Objectives: The primary goal of the MBA program is to equip participants with skills and competencies needed to function effectively and ethically in managerial and other roles as organization leaders in an increasingly competitive global work environment. Seven learning objectives guide the MBA program; participants will learn to

1. Critically and Analytically Reason and Solve Problems
2. Communicate Effectively
3. Anticipate and Analyze Trends in the Business Environment
4. Approach Organizational Decisions in an Ethical, Legal, and Responsible Manner
5. Operate in Dynamic and Complex Domestic and Global Organizational Environments
6. Demonstrate Knowledge in the Functional Areas of Business
7. Integrate Theory and Application from Various Functional Areas in an Interdisciplinary Approach

Program Structure: MBA students benefit from the networking, team-building, and synergies created by progressing through the entire curriculum as a cohort. Participants have the opportunity to begin the program at two start dates each year – January or August – and progress as a cohort group to complete their degree in 15 months. The cohort class structure provides an excellent opportunity to strengthen the student's professional network.

1. **The Cohort Model.** MBA students meet face-to-face on weekends and study together throughout their program. Research indicates that the cohort model has proven to be very effective for professional development, since it provides mutual support, is experiential, and is inquiry-based.
2. **Class Meetings.** The program is offered in two four-hour sessions on four alternating Saturdays (one week between each session).
3. **Course Sequence.** Each cohort moves through the program in a specific sequence to facilitate the assimilation of a large body of knowledge over a 15-month time span.
4. **Course Assignments.** Each 3-credit-hour course is scheduled around four-week sessions, separated by two to three weeks. Assignments, readings, and other activities are delivered to students prior to class. Students are usually expected to complete assignments at home prior to the first class session, between class sessions, and after the last session.

The MBA Learning Process: The MBA degree program does not make the acquisition of theory and knowledge an end in itself. Instead, learning processes are highly diverse and focus on participant-centered learning designs that enhance the development of long term career managerial skills and abilities; these designs include lecture/summaries, peer and team learning, simulations, management development experiences and exercises, software applications, individual and group presentations, and multiple-level writing assignments.

Computer integration is applied throughout the curriculum. Clarity of both written and oral communication is a critical component. The course material and faculty members' individual styles determine the choice of teaching/learning methodology.

The comprehensive case method is also an important component. The case method is aimed at developing a student's ability to confront and solve management issues and is often cited as the most powerful pedagogic approach for developing managerial judgment. Cases are firsthand accounts of actual management situations, taking as their subject problems that stem from many interdependent factors.

The learning process is intensive and reinforces individual study with class and small group work, using participative and interactive methods. A typical learning activity in the MBA program is made up of three phases. Initially, students work individually, studying assigned materials, completing exercises, analyzing information, extracting pertinent facts, and identifying issues or concepts that require further depth of understanding. They then work in small groups to broaden their outlook by testing their opinions and drawing on the experience and viewpoints of other class members. Teamwork is a vital part of the program. Team members discuss materials, prepare assignments, and carry out projects. This teamwork fosters the development of skills in problem-solving, communication, and leadership. Finally, in the class sessions guided by an experienced faculty member, students explore new concepts and techniques, share experiences, and are challenged to present their analysis, defend their viewpoints, and propose new approaches to resolve problems. To benefit fully from the educational experience, students must commit themselves unreservedly to the process. Performance in class requires a high level of preparation in addition to assertiveness and sensitivity to other points of view.

MBA Degree Requirements: The candidate must:

1. Complete all course work with a grade point average of 3.0 (B);
2. Apply for candidacy after completing a minimum of fifteen (15) credit hours and before completing twenty-one (21) credit hours; and
3. Earn 30 semester hours of credit and fulfill all course requirements within a maximum time limit of five years of matriculation.

MBA PROGRAM CONTENT

Required Courses:

30 credit hours

MBA 510	Organizational Behavior and Human Resource Management	3
MBA 511	Managerial Accounting	3
MBA 512	The Legal Environment of Business	3
MBA 513	Managerial Finance	3
MBA 514	Marketing Management	3
MBA 515	International Business	3
MBA 516	Leadership and Business Ethics	3
MBA 517	Managerial Economics	3
MBA 518	Supply Chain Management	3
MBA 600	Strategic Management	3

MBA COURSE DESCRIPTIONS

MBA 510 Organizational Behavior and Human Resource Management

3 credit hours

Focuses on the development of skills necessary to analyze and effectively deal with individual and group problems in diverse organizations. Theories and case analyses provide guidance in decision-making. Topics include motivation, job satisfaction, group dynamics, interpersonal communication, organizational culture, diversity, recruitment, compensation, organizational learning, evaluation, and change management.

Prerequisite: MGT 306, MGT 315, or an equivalent CLEP Exam.

MBA 511 Managerial Accounting

3 credit hours

Examines corporate financial accounting in general and how accounting information informs management decisions. The course reviews basic concepts and accounting practices used in all aspects of management, including planning, implementation, control, and evaluation. Cost analysis for routine decision-making is also discussed.

Prerequisite: ACC 201 or an equivalent CLEP Exam.

MBA 512 The Legal Environment of Business

3 credit hours

An overview of the legal and social factors that affect the firm's strategy, survival, and competitiveness. The course focuses on guidelines and constraints that affect the firm directly or indirectly and provide its basis for dealing with its employees, other firms in the environment, and its stakeholders in general. Special attention is paid to trade regulation, anti-trust laws, employer-employee relations, labor laws, corporate responsibilities, and compliance with regulations governing the operation of business organizations.

MBA 513 Managerial Finance

3 credit hours

Focuses on basic financial principles and practices associated with modern corporations, especially as these practices relate to planning and control. Current theories and practices related to investment decisions are discussed. Topics include risk management analysis, corporate financial accounting and budgeting, project evaluation, decision trees, acquisitions and disinvestments, and financing new ventures.

Prerequisite: FIN 308 or an equivalent CLEP Exam.

MBA 514 Marketing Management

3 credit hours

Explores the structure and processes of marketing from a managerial perspective, with special emphasis on the manager's role in marketing decisions. Theories and practices are examined, with illustrations from case studies in product marketing through various media. Topics include strategic marketing, creating demand, product introduction, targeting, differentiation, segmentation, and supply chain management. Special attention is paid to marketing in a global marketplace.

Prerequisite: MKT 307 or the CLEP Principles of Marketing Exam.

MBA 515 International Business

3 credit hours

Explores the nature of international business and provides insights into challenges facing multinational enterprises, especially as these relate to government regulations, cultural differences, history, and economic factors. Topics examined include trade theory, international organizations, foreign direct investment, global marketing, global strategies, technology transfer, and trade and development issues.

MBA 516 Leadership and Business Ethics

3 credit hours

Focuses on leadership and ethical issues in a diverse workforce. This course examines theories and practices that are relevant to effective management in a dynamic business environment. Topics include leadership theories, corporate social responsibility, and interaction

of business with government and society. Contemporary ethical issues and problems are considered via multiple case studies.

Prerequisite: MGT 306 or the CLEP Principles of Management Exam.

MBA 517 Managerial Economics

3 credit hours

Provides a detailed analysis of how micro- and macroeconomic concepts can be applied to corporate decision-making to maximize the firm's profit and enhance its ability to compete both domestically and in the global marketplace. Topics covered include basic microeconomic concepts, risk analysis, competitive pricing strategies, exchange rates, international trade, government policies, technology transfer, labor and capital movement, immigration, and regional and global trade agreements.

Prerequisite: ECON 202 or an equivalent CLEP Exam.

MBA 518 Supply Chain Management

3 credit hours

Focus on inter-firm relationships, discussing quick response, just-in-time, and efficient consumer response techniques in the context of strategic alliances and the use of third-party providers. Topics covered include supply chain systems, process flow design, supply chain network design, total quality management, demand planning/management, inventory management, sales and operations planning, operational scheduling, just-in-time, distribution management (i.e., logistics), and supply chain integration.

Prerequisite: A statistics course.

MBA 600 Strategic Management

3 credit hours

A Capstone course taken during the student's final semester in the program. This course is designed to apply knowledge gained from other core courses to issues of planning, formulating, and implementing business strategy. Special attention is paid to core competencies, entrepreneurship, gaining and sustaining competitive advantage, and managing change in a dynamic environment. Multiple case studies and simulation games are typically utilized as instructional tools.

Prerequisite: Completion of all other MBA course requirements.

MBA Faculty

Faculty members in the MBA degree program bring a diversity of training and experience to their profession. They are first and foremost excellent teachers, reflecting the continuing Brescia commitment to the personal and professional development of its students. They are intellectually stimulating individuals immersed in current and future management issues. They retain close links with business and industry through a rich heritage of service and outreach to the local and regional business community. The faculty's ongoing involvement with practicing business leaders and executives assists in a continuous focus on both contemporary and future business issues.

Faculty members assume several major roles with MBA candidates. As teachers, their goals are to communicate course materials clearly and develop opportunities for real world applications. As role-models, faculty work to develop their levels of self-awareness as well as personal and professional congruence. Faculty members advise and consult with candidates about professional and personal development as leaders and managers. They also engage candidates, both in and out of class, in self-development reflection and activities.

MASTER OF SCIENCE IN MANAGEMENT (MSM) – ONLINE

MSM Program Goals: The primary goal of the Master of Science in Management (MSM) Program is to provide early and mid-career professionals with enhanced skills and abilities to prepare them for the social and ethical responsibility their futures hold. The program maintains the strong Brescia commitment to teaching and the creation of a highly participative and dynamic environment between faculty and students. To achieve this primary goal, the program seeks to develop the following key characteristics in its students:

1. **International Perspective** – Two entire courses, and parts of others, are devoted to awareness of global competitive strategies and global economics. Even the smallest companies in the region are becoming intensely aware of the shrinking global market place.
2. **Group Dynamics and Case Study Approach** – Students will work in teams with peers to solve real-world problems. Actual business cases are used as the basis for study groups. These groups simulate today's work environment and teach each student to maximize a group's ability to provide solutions.
3. **Outstanding Faculty** – Brescia's reputation for business education is unrivaled in the region. Faculty members assume several major roles with MSM candidates. As instructors and role models they are available to advise and consult with candidates about professional and personal development as leaders and managers.
4. **Executive Online Format** – MSM classes meet in Brescia's popular eight-week online format (called modules). Students enroll in one 4-credit-hour course per "module," with four modules per year. This format recognizes students' significant commitment to work and family.
5. **Ethics** – One of the most pressing topics in business today is the need for ethical managers and decision-makers. Brescia recognized this need in 1992 when it designed the MSM program. Students will benefit from the long liberal arts tradition of the University that includes emphasis on ethics.
6. **Value** – At only \$500.00 per credit hour (2012-2013 rates), students who compare the quality and diversity of Brescia's faculty, the convenience of scheduling, and the strength of course work with any other graduate business degree program will see that the MSM at Brescia University is a great value.

The MSM Learning Process: The MSM degree program, offered entirely online, does not make the acquisition of theory and knowledge an end in itself. Instead, learning processes are highly diverse and focus on participant-centered learning designs that enhance the development of long term career managerial skills and abilities. These designs include lecture/summaries, peer and team learning, simulations, management development experiences and exercises, software applications, and multiple-level writing assignments. Computer integration is essential throughout the curriculum. Clarity of both written and oral communication is a critical component. The course material and faculty members' individual styles determine the choice of teaching/learning methodologies.

MSM Degree Requirements: The candidate must:

1. Complete all course work with a grade point average of 3.0 (B);
2. Apply for candidacy after completing a minimum of nineteen (19) credit hours and before completing twenty-five (25) credit hours; and
3. Earn thirty-two (32) semester hours of credit and fulfill all course requirements within a maximum time limit of six years of matriculation.

In order for a student to participate in the spring commencement, the student must have completed all the above listed requirements or have a maximum of four (4) hours to complete. That student must file a plan with the Registrar detailing how those hours will be completed by the end of the first module of the following fall semester, and be pre-registered for the first module of the following fall.

MSM PROGRAM CONTENT

The MSM curriculum is sharply focused on the skills, problems, and concepts important to practicing managers both now and in the future. The carefully designed eight-course sequence has been created to provide a practical, comprehensive, and futuristic curriculum that overcomes major criticisms of traditional programs. This curriculum is divided into two parts.

Initial courses are designed to extend and integrate the undergraduate core body of knowledge in developing a broad foundation of skills and knowledge in management. These initial courses employ a variety of processes to build analytical frameworks, develop technical skills, and introduce concepts. The curriculum challenges students to move beyond analysis to action and implementation. Through its functional integration, the coursework accelerates the development of sound judgment and professional maturity. The first four courses include *Management and Organizational Policy and Practice*; *Leadership, Power, and Influence*; *The Legal Environment of Management*; and *Human Resource Management and Organization Development*.

The second portion of the program provides students with the opportunity to synthesize and integrate the skills developed into a more complete understanding of the organization and its environments. By assuming the roles of various decision-makers and preparing cases and related materials dealing with broad policy and implementation issues, students learn how to analyze and take action within the complexity of the organization in its entirety. In each course, a number of complementary fields of management are combined into an integrated understanding of key issues. Accordingly, the students achieve proficiency in each of the areas as well as in understanding their interrelationships. Moreover, learning continues to be cumulative so that skills and insights gained in a given course are reinforced and built upon in subsequent courses. The final four courses include *Business, Government, and the International Economy*; *Industry Analysis and Global Competitive Strategy*; *Management of Organizational Functions*; and *Advanced Managerial Topics*.

Required Courses:		32 credit hours
BAd 510	Management and Organizational Policy and Practice	4
BAd 520	Leadership, Power, and Influence	4
BAd 560	The Legal Environment of Management	4
BAd 580	Human Resource and Organization Development	4
BAd 610	Business, Government, and the International Economy	4
BAd 620	Industry Analysis and Global Competitive Strategy	4
BAd 640	Management of Organization Functions	4
BAd 651	Advanced Managerial Topics	4

MSM COURSE DESCRIPTIONS

BAd 510 Management and Organizational Policy and Practice 4 credit hours
 This course is designed to provide an introduction to concepts and theories about the fac-

tors that influence the functioning of complex organizations and to develop foundations and frameworks that can be used to analyze and solve organizational problems. This course traces the historical development of organizations, reviewing changes in organization, management, and the nature of competition. Change is a pervasive feature of organizations. As the management of organizations becomes increasingly complex, the ability to analyze and respond to change is a fundamental part of effective management. This course focuses on fostering an understanding of organizational change process in order to facilitate students' abilities to influence effectively organizational change situations.

BAd 520 Leadership, Power, and Influence

4 credit hours

The purpose of this course is to examine, consider, and experience the kind of leadership that will be required to create and maintain high levels of organizational excellence in the future. The course will consider the following questions: How do we de-bureaucratize our existing organizations? Who will lead these organizations to higher levels of quality, productivity, and effectiveness? How do such leaders instill a stronger sense of vision, mission, a higher purpose, greater feelings of urgency and importance into the lives of the people doing the work? This course addresses the process of asking and answering these types of questions and helps students integrate their own answers into their lives and their practice of management. The course also explores such issues as power dynamics in organizations, methods by which managers acquire and use influence, and the use of power in times of crisis.

BAd 560 The Legal Environment of Management

4 credit hours

This course seeks to heighten students' awareness of the role of government, administrative agencies, and other forces in regulating business conduct and management decision-making. Its principal goal is to help students understand the responsibilities of managers and modern organizations. The course provides a framework for thoughtful analysis and for developing practical, responsible plans of action. Students will explore conflicts between organizational and personal values, and ways of balancing obligations to government, agencies, and inside and outside constituencies. The course uses case studies, readings, and video materials to engage students, intellectually and personally, in the strategic, administrative, and ethical complexity of organizational decisions.

BAd 580 [formerly 600] Human Resource and Organization Development

4 credit hours

This course examines human resource development within the context of organization development and change. It focuses on human resource systems and policies as they enhance or constrain organizational effectiveness. The course works from a dynamic model of human resource and organization development, examining changing skills, motivations, values, and demographics as they affect employment and development practices. Emerging trends triggered by globalization and new technologies are also examined. An overriding consideration in the course will be the dimensions of organizational change, focusing on developing an understanding of alternative strategies for managing change as well as considerations which should guide choices between alternatives.

BAd 610 Business, Government, and the International Economy

4 credit hours

This course takes an integrated, conceptual approach to the analysis of the international environment and national economic strategies. It provides a management framework and analytical tools for evaluating trends in the economic, political, and social contexts of business throughout the world. Students compare development strategies in a variety of nations,

consider their influence on business and organizations, and assess their impact on managerial decisions and international competitiveness. Monetary and fiscal policy, national economic performance, trade relations, and industrial policy are discussed, with attention to political concerns. Students analyze the key resource flows that tie nations together in order to understand better the structure and dynamics of international competition. Discussions focus on developments in the European Common Market, the opening of markets in Eastern Europe, and emerging trends in Pacific Rim and Latin American markets.

BAd 620 Industry Analysis and Global Competitive Strategy *4 credit hours*

This course will be taught from a strategic management perspective, with global strategy, strategic change, and international competitiveness as its central themes. The formulation of competitive strategy requires an inclusive view of the overall operating environment. Market forces, competition, government, and society all influence the development of a common set of strategic goals. Students learn how to analyze industries and how organizations position themselves for superior performance. Students also learn ways that organizations can enhance competitive advantages through strategically selected industries in which to participate and through coordinating the strategies of related units within the system. The course also offers opportunities to study how companies in Asia, Europe, and North America have changed to become globally competitive through the excellence of their operations.

BAd 640 Management of Organization Functions *4 credit hours*

The fundamental premise for this course is that each manager has both an operating and strategic sector in her/his position. The emphasis of the course is on decision-making and implementation under uncertainty. The point of view is often that of the manager in the formative years of experience who must develop the ability to lead, take action, and operate effectively in a system generally designed by others in an environment typically not under her/his control. The content of the course emphasizes the use of hard and soft data in making the useful methods for conducting research, including data collection and statistical analysis, and continues the functional analysis begun in the Management and Organizational Policy and Practice course. High priority is given to the management of cross-functional issues and problems and extends to macroeconomics, research and development, global marketing, operations, and finance. Coverage of advanced topics from a multi-functional base continues to emphasize diagnosis, action-planning, and implementation. The course will also examine the principal concepts and processes required to manage today's large complex projects and critical issues related to individual and group behavior within the project management spectrum.

BAd 651 Advanced Managerial Topics *4 credit hours*

This course provides students with the opportunity to examine in-depth a specific topic of current significance in managerial theory and practice. The primary criteria used to select the course topic are relevance and timeliness.

MSM FACULTY

Faculty members in the MSM degree program bring a diversity of training and experience to their profession. They are first and foremost excellent teachers, reflecting the continuing Brescia commitment to the personal and professional development of its students. They are intellectually stimulating individuals immersed in current and future management issues. They retain close links with business and industry through a rich heritage of service and outreach to the local and regional business community. The faculty's ongoing involvement with practicing managers and executives assists in a continuous focus on both contemporary and future management issues.

Faculty members assume several major roles with MSM candidates. As teachers, their goals are to communicate clearly the course materials and to develop opportunities for real world applications. As role-models, faculty members work to develop their levels of self-awareness as well as personal and professional congruence. Faculty members advise and consult with candidates about professional and personal development as leaders and managers. They also engage candidates, both within and outside of class, in self-development reflection and activities.

MASTER OF SCIENCE IN TEACHER LEADERSHIP (MSTL)

The Master of Science in Teacher Leadership (MSTL) program is designed to equip professional K-12 educators with the knowledge and skills necessary to become effective master teachers and instructional leaders in public and private schools. In the 35-credit-hour MSTL program, candidates will learn about their leadership styles, prepare to leverage the latest research to guide their educational decisions, and lead with greater confidence in their classrooms and in their communities. The focus of the program is on equipping participants to work with all students in an inclusive classroom setting. Participants in the program will earn Teacher Leader Endorsement.

The MST is rooted in the conceptual framework articulated in the School’s Mission Statement: *Brescia University School of Education candidates are challenged to become professional educators committed to ethics, advocacy, service, and lifelong learning.* As a result, the MSTL is ideal for the classroom teacher who is passionate about making a difference in education. A key feature of this program is the integration of theory, research, and practice. Much of what is learned is immediately applicable to classroom settings as teachers investigate problems of practice and conduct action research in their own classrooms. The program can be completed in two years or at the candidate’s own pace. It is available in both online and on-campus formats, or in a combination of both.

MSTL PROGRAM CONTENT

Required Core Courses:		23 Credits
EDL 500	Introduction to Teacher Leadership	3
EDL 570	Master Teacher	3
EDL 580	Education Research Methods	3
EDL 581	DPG 1: ARP Proposal Presentation	1
EDL 630	Interaction of Classroom Management and Instruction	3
EDL 640	Assessment for Students’ Learning	3
EDL 650	Effective Practices for Coaching and Mentoring	3
EDL 671	Action Research	3
EDL 672	DPG 2: ARP Presentation Capstone Project	1
Electives:		12 Credits
EDL 530	Technology for Teacher Leaders	(3)
EDL 550	Social Issues in Education	(3)
EDL 590	Literature in Middle and High School Classrooms	(3)
EDL 591	Introduction to Literacy Coaching in Middle and High School	(3)
EDL 600	Leadership Seminar	(1)
EDL 620	Ethical Issues in Education and Research	(3)
EDL 655	Multicultural and Diversity Issues in the Curriculum	(3)

BIO 501	Advanced Cell Biology	(3)
MTH 513	Mathematical Models and Methods	(3)

Total Required Courses:**35 credit Hours**

The following 12 credits are required for the *Teacher Leader Endorsement*. Candidates can obtain the endorsement only as a Non-Matriculated student.

Teacher Leader Endorsement Courses:**12 credits**

EDL 500	Introduction to Teacher Leadership	3
EDL 570	Master Teacher	3
EDL 640	Assessment for Students' Learning	3
EDL 650	Effective Practices for Coaching and Mentoring	3

Throughout the semester various non-credit one-clock-hour seminars are held as prerequisites for some courses. These seminars, facilitated by School of Education faculty or guests from local school systems, cover topics such as Mentor Training, Information Literacy, and Roundtable Discussion of Community Partners.

MSTL COURSE DESCRIPTIONS**EDL 500 Introduction to Teacher Leadership****3 credit hours**

The course focuses on the nature of leadership, theories, principles, and styles, progressing from a general perspective to school leadership to teacher leadership in the model of servant leadership. Participants will gain skills necessary to lead with confidence in the classroom, school, and the community. Learners will examine and understand the problem-solving tools required in interpersonal and leadership skills while working with people in educational settings. The course offers learners the opportunity to increase their awareness of essential dispositions, enabling them to write their own educational platforms, assist students in developing a personal action plan, and provide opportunities to demonstrate values for effective educational leadership. Twenty hours of field practicum are required.

EDL 530 Technology for Teacher Leaders**3 credit hours**

Learners will examine some of the critical issues facing school improvement as it relates to teaching and the use of modern technological tools, including the promises and challenges that technology brings to schools today. This course goes beyond basic technology literacy and requires that the learner create technology products for classroom use, evaluate the acceptable technology use policy of their school or district, examine best practices for technology integration to enhance student achievement, explore the relationship of learning styles with educational technology, and develop technology leadership skills. This course requires a job-embedded application of a technology lesson in candidates' classrooms. *Prerequisite: A grade of 'C' or better in an undergraduate technology course.*

EDL 550 Social Issues in Education**3 credit hours**

This course focuses on the identification and analysis of major problems in education resulting from the pluralistic culture of American society. The course seeks to provide an understanding of barriers to learning faced by children as a result of the environment in which they live. Candidates will demonstrate understanding of a specific social problem contributing to the challenges faced by some children in their environment. Multicultural curricula and instructional strategies will be addressed.

EDL 570 Master Teacher**3 credit hours**

This course is for teachers who wish to analyze their teaching style and methods and improve their repertoire with additional teaching methods. Theory-based models of instruction

will be reviewed that provide participants with a variety of instructional modalities. These skills will facilitate students as they attain the necessary pedagogy and classroom strategies required to deliver instruction according to distinct populations of students. Practical, hands-on strategies for teaching in heterogeneous settings will be provided. Participants will learn how to engage and support struggling learners while challenging advanced learners. Strategies for differentiating content, process, and products will be presented. Job embedded applications will be required in this course.

EDL 580 Education Research Methods *3 credit hours*

An introduction to educational research in both qualitative and quantitative forms, this course enhances student ability to read educational studies critically and to design studies applicable at the classroom level, that is, to do action research. Participants will be given an overview of sampling techniques, measures of reliability and validity, hypothesis building, and data analysis. They will then decide on a research focus, conduct a literature review, and describe their data collection method. The final component for the course will be a research proposal chosen in collaboration with a local school and focused on P-12 teaching and learning. Participants' proposals will require approval from both their schools and Brescia University's Institutional Review Board (IRB).

Prerequisite: Information Literacy Graduate Seminar.

EDL 581 Documenting Professional Growth 1: ARP Proposal Presentation *1 credit hour*

After successful completion of EDL 580, candidates present the proposal in a formal setting scheduled by the School of Education for fellow students, faculty, TEAC, and representatives of collaborating schools. This oral presentation of an original action research proposal will include a written formulation of a research problem and plan of action, and will use available technology including PowerPoint and/or other presentation software to portray their work. ARP Proposal Presentations are graded on a Pass/Fail basis.

EDL 590 Literature in Middle and High School Classrooms *3 credit hours*

This course will provide a survey of diverse literature for middle and high school classrooms, covering poetry, short stories, and novels. Students will be introduced to a wide variety of literature that can be used in middle and high school settings. The course seeks to improve students' personal ability to understand, analyze, and enjoy various forms of literature and to prepare them to be informed and reflective teachers.

EDL 591 Introduction to Literacy Coaching in Middle and High Schools *3 credit hours*

Participants will engage in the study of pedagogy and leadership in the areas of collaboration; job-embedded professional development; program assessment; and evaluation of school, classroom, and individual literacy needs as well as instructional strategies. Participants will apply new skills in these areas; therefore, a field component is required.

Prerequisites: EDL 640 and EDL 590 (or permission from Graduate Program Director).

EDL 600 Leadership Seminar *1 credit hour*

In this seminar candidates will facilitate a graduate or an undergraduate seminar; in this way the course offers a forum for graduate students to share educational and/or career accomplishments with other students. Students are required to make a formal presentation of notable teacher experiences; presentation content may include a seminar paper, an educational project, a performance, innovative teaching strategies, and/or an exhibition. Students

will consult with advisors for guidelines for meeting program requirements. The objectives of the course are to expand students' knowledge beyond the classroom and to enhance their communication skills and confidence with public presentations. The grade for the course is either Pass or Fail.

Prerequisite: Approval of Graduate Program Director.

EDL 620 Ethical Issues in Education and Research *3 credit hours*

Students in this course will develop and refine the skills necessary to analyze and integrate constructive and ethical decision-making into practices that lead to success and to their roles as ethical educational leaders. The policies and procedures required by school districts will be addressed. Participants will learn what students' and teachers' rights are protected, how they are explained in school district source documents, and what violations of the rights may occur in schools. To urge students to "Become a Reflective Decision-Maker," emphasis is placed on decision-making, professional conduct, research, and learning.

EDL 630 Interaction of Classroom Management and Instruction *3 credit hours*

This course helps teachers develop competencies for motivating and increasing student learning through understanding the interaction of classroom management and instructional planning by focusing on positive discipline, productive classroom climate, improvement of student learning, and collaboration with parents. Participants will examine the strategies used in managing a positive classroom environment within the framework of today's diverse population, and implement a classroom management plan in their own classrooms.

EDL 640 Assessment for Students' Learning *3 credit hours*

This course equips teachers with the skills and knowledge they will need to do high quality classroom assessment, develop classroom tests, and measure student achievement. Practical and theoretical assessment issues within the classroom will be surveyed; significant assessment methodologies explored, including performance assessment, test development, portfolio use, and communicating student progress; the principles for understanding standardized tests and test scores discussed; and practical applications of classroom assessment to enhance learning developed. Job embedded applications are required in this course.

EDL 650 Effective Practices for Coaching and Mentoring *3 credit hours*

This course is designed to provide the essential knowledge, skills, and abilities associated with effective facilitation, coaching, and mentoring, presuming that effective leadership is grounded in a solid grasp of these three activities. Additional topics include building rapport among colleagues, conducting classroom observations, developing effective listening and questioning skills, and providing constructive feedback. Course content will include a mentoring practicum that provides each student with the opportunity to develop and practice the skills necessary to become a teacher leader in a coaching relationship with a prospective or new teacher in a school setting. Ten hours of mentoring practicum are required.

Prerequisite: EDL 500 and Mentor Training Seminar.

EDL 655 Multicultural and Diversity Issues in the Curriculum *3 credit hours*

This course explores historical and contemporary perspectives on cultural diversity; critical issues of race, class, gender, and ethnicity in education; the perennial issues of multiculturalism in public education and in global society; and a comprehensive overview of principles and current research in diversity and multicultural education. The course will also include self-examination of potential bias and stereotypes that must be addressed by both teachers and students. Participants will implement a multicultural curriculum and instructional strategy in their own classrooms.

EDL 671 Action Research*3 credit hours*

EDL 671 builds on the proposal completed in the EDL 580 and will ensure that candidates can investigate P-12 data, develop tests, surveys, and benchmarks to evaluate teaching and learning. This capstone course provides a culminating experience for MSTL students, with the planning and implementation of an action research project in a real-world (classroom) setting. Findings will be analyzed and shared in writing, including within the setting in which it was conducted. These projects are designed to enhance critical thinking about classroom or school-related P-12 issues and practices, and to generate appropriate actions for change and improvement. The final component will be a written research report.

Prerequisites: EDL 580, completion of 27 credit hours, and participation in Action Research Roundtable Graduate Seminar.

EDL 672 Documenting Professional Growth 2: Capstone Project *1 credit hour*

Candidates present the completed Action Research Project (ARP) to a colloquium consisting of (1) collaborating school representatives, (2) Brescia University faculty, (3) TEAC, and (4) students; this presentation is the second half of the capstone experience for the MSTL student, tying together the skills and knowledge acquired in their graduate coursework through effectively communicating the results and conclusions of the Action Research Project. Candidates will use available technology including PowerPoint and/or other presentation software to portray their work.

BIO 501 Advanced Cell Biology*3 credit hours*

This course covers a detailed study of the cell as the basic unit of life, focusing on the interplay of biochemistry and genetics in the regulation of eukaryotic cell processes.

Prerequisites: Undergraduate courses in cell biology, chemistry, and anatomy and physiology, with a passing score and permission from the instructor.

MTH 513 Mathematical Models and Methods*3 credit hours*

In many ways, mathematics teaches us to understand the world by understanding abstractions. This course examines those abstractions – particularly mathematical models – from the early visualizations of the problem and the recognition of key structures, through the construction of appropriate models, the collection of data, and the use of software and analytic tools, to the computation and adjustment of models.

Prerequisites: Calculus 1 and EDU 246 (or equivalent course in Educational Technology).

MSTL FACULTY

Faculty in the MSTL degree program are all professional teachers who have an ability to combine theory with practice. They reflect the continuing Brescia commitment to the personal and professional development of its students. Retaining close links with area teachers, the faculty's ongoing involvement with local school districts assists Brescia to retain a continuous focus on both contemporary and future education issues.

Faculty members assume several major roles with MSTL candidates. As teachers, their goal is to communicate clearly the course materials and to develop opportunities for experiential applications. As role-models, faculty members work to develop their levels of self-awareness as well as personal and professional congruence. Faculty members advise and consult with candidates about their professional and personal development as teachers. They also engage students, both within and outside of class, in self-development reflection and activities.

ACADEMIC DEVELOPMENT AND SUPPORT

DEVELOPMENTAL EDUCATION

Students are placed in the developmental program based on ACT or the recommendation of the Chair of the Mathematics area. Students with a 17 or lower on the English ACT must complete Eng 010; and students who score 17 or below on the Reading ACT must complete IdC 009. Students who score a 17 or 18 on the Math ACT must take Mth 006; a student with an ACT of 16 or lower must take Mth 005 and Mth 006. Eng 010, Mth 005, and Mth 006 require free tutorial laboratory sessions weekly in addition to classroom instruction.

BUonline students with a recent ACT score of 18 or lower will be placed in Mth 006. Students without current ACT scores will be placed either in Mth 006 or in the math course recommended by the Chair of the mathematics area.

Transfer students with successful courses at the College Algebra level or higher and at the Eng 101 level or higher do not need developmental courses.

International students without the necessary ACT/SAT scores but with a TOEFL score of less than 550 (computer-generated score 213) will be required to complete IdC 009 and the math recommendations of the Chair of the mathematics area.

LIBRARY SERVICES

The library offers access to its print and electronic collection of materials through an automated system that is available locally through the campus network and internationally via the Internet. Numerous databases offering thousands of full text journals, numerous full text newspapers, and access to over 10,000 library catalogs are included in our resources. A current Brescia ID, which is a requirement for circulation privileges at the library, also provides borrowing privileges at other local college and public libraries. Students accessing library databases off campus are required to use a current Brescia email address.

Physical facilities include quiet study carrels, listening room, conference and seminar rooms, computer lab, group study room equipped with smartboard and multiple computer connections, photocopy and microfiche/film reader/printers, and computer terminals throughout the library.

Instruction on the use of the library and an online one hour credit Information Resources class are offered on a regular basis.

STUDENT SUPPORT SERVICES

Student Support Services is a federally funded TRIO program that provides academic support for eligible students while they pursue associate or baccalaureate degrees. The program is designed to improve retention and graduation rates of its participants. To be eligible a student needs to be a U.S. citizen or permanent resident, a first generation college student (neither parent has a four-year degree before the student is 18 years of age), have a family income that falls within certain federal guidelines, or have a documented physical or learning disability.

Services offered include:

- weekly one-on-one or group tutoring for any course taught at the University;

- free cultural opportunities (Owensboro Symphony Orchestra, the RiverPark Broadway Series, the Theater Workshop of Owensboro, and other special presentations);
- peer mentoring and academic counseling to help program participants make the transition from high school to college and overcome the challenges they may face;
- financial aid advising to assist participants to apply for and understand their financial packages;
- holistic career counseling that begins with investigating potential majors and concludes with resumé preparation, interview skills, and business etiquette workshops; and
- a variety of workshops on topics such as time and stress management, study and note taking skills, and test anxiety.

Studies have shown that Student Support Service participants are twice as likely to remain in college and graduate as those students from similar backgrounds who do not participate in the program.

COMPUTER SERVICES

All Brescia University students are eligible for Internet and e-mail accounts. Contact the Director of Student Development located in the Campus Center for the account application and return the completed account application to the Mailroom located in the Administration Building.

STUDENTS WITH DISABILITIES

Students with documented disabilities need to provide this documentation to the Coordinator of Disability Services in the Student Support Services Office. Needed academic accommodations will be facilitated through Student Support Services in coordination with the Office of the Academic Dean (VPAA), and non-academic accommodations will be addressed through the Student Development Office.

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Director of Admissions — Christy Rohner, B.A., Transylvania University

Interim Director of Financial Aid — Marcie Tillett, B.S., Aquinas College

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Coordinator of Career Services — Helen M. Bennett, B.S., Murray State University, M.S., University of Alabama at Huntsville

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FACULTY

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