



Ave Maria University

Catalogue

2018-2019

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[www.avemaria.edu](http://www.avemaria.edu)



## WELCOME TO AVE MARIA UNIVERSITY

As President of Ave Maria University, I welcome you to one of America's youngest and most dynamic and faithful institutions within Catholic higher education. Launched in 2003 by Domino's Pizza magnate and philanthropist Thomas S. Monaghan, AMU offers a first-rate liberal arts curriculum and over 30 challenging undergraduate majors, as well as graduate degrees in theology. In addition to vibrant programs in the humanities, sciences, and music, the University features pre-professional and professional specializations in disciplines as diverse as nursing, accounting, and biochemistry. The University's Core Curriculum numbers among the strongest in America and provides graduates with the tools they need to become critical thinkers, competent writers, and lovers of learning. Beginning in the Fall of 2018, the University also began to offer degrees, including a Master in Business Administration, through online learning.

An Ave Maria education has been a spring board for many to promising careers and vocations. Recent alumni pursuing graduate studies have been admitted to prominent law and medical schools and other graduate programs of distinction. Those seeking employment have secured favorable placements in the marketplace. A number of AMU's graduates have entered the seminary or religious life, while others have been called to married life – often with a fellow Ave classmate! Vocational discernment is at the heart of the Ave Maria educative experience.

We believe our campus should provide an environment where young men and women can mature into responsible adults who live their faith in Jesus Christ and apply their knowledge to the challenges of the 21st century. The moral climate in our residence halls allows our students to maintain the values instilled in them by their parents, and promotes growth in the spiritual life. The hallmark of an Ave education is the movement by the student from being self-centered to other-minded. Ave has the only Mother Teresa Project in America and our students not only volunteer in the neighboring farmworker community in mentoring and Catechism programs, but they travel on missions to work with Mother Teresa's nuns in India, Uganda, Mexico, Haiti and other countries.

This academic year will be my eighth as President. It is clear that what Tom Monaghan envisioned is coming to fruition, and that the Lord is honoring His Holy Mother by blessing us with record enrollment, financial stability, and yes, beautiful, sunny Southwest Florida weather! Put simply, Ave Maria is unique, affordable, and authentically Catholic.

I hope you enjoy reading about Ave Maria University and visit our website at [www.avemaria.edu](http://www.avemaria.edu). Visit our campus and see for yourself why Ave Maria is attracting some of the country's finest scholars, and students from 45 states and 18 countries. I wish you every success as you review these materials and invite you to seek further assistance from our well-qualified and student-friendly staff and faculty if you have any questions.

Thank you for your interest in Ave Maria University. God bless you!

With kindest regards,

H. James Towey  
President





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### Electronic Publication

The electronic version of this Catalogue is the official publication.

### Catalogue Disclaimer

Information included in this Catalogue describes as accurately as possible the course offerings, policies, procedures, regulations, and requirements of Ave Maria University. The University reserves the right to alter or change any statement contained herein without prior notice. The provisions of this Catalogue are not to be regarded as an irrevocable contract between the University and the student. Students are expected to know regulations and policies found in the current Academic Catalogue and Student Handbook. It is the student's responsibility to inform himself or herself of degree requirements, the school calendar, critical deadlines, and the contents of all University communications received electronically, via the U.S. Postal Service, or through one's own University mailbox.

# Academic Calendar 2018-2019

## Fall Term 2018

|                 |                  |  |
|-----------------|------------------|--|
| August 23       | Thursday         | New incoming students may check-in after 9:00 a.m.   |
| August 25       | Saturday         | Returning students may check-in after 9:00 a.m.      |
| August 23-26    | Thursday-Sunday  | New Undergraduate Student Orientation                |
| August 27       | Monday           | Academic Year Begins – First Day of Classes          |
| August 31       | Friday           | Fall Formal Academic Convocation, 5:00 p.m.          |
| September 3     | Monday           | Last Day to Add Courses                              |
| September 5     | Wednesday        | Last Day to Drop Courses                             |
| September 17    | Monday           | Constitution Day Observed – Classes in Session       |
| October 8       | Monday           | Provisional Grade Reports Due                        |
| October 18-21   | Thursday-Sunday  | Fall Term Break – No Classes                         |
| Oct. 31-Nov. 16 | Wednesday-Friday | Advising and Registration Period                     |
| November 1      | Thursday         | All Saints Day – Classes in Session                  |
| November 12     | Monday           | Last Day to Withdraw from Courses with a “W”         |
| November 22-25  | Thursday-Sunday  | Thanksgiving Break – School Closed                   |
| December 6      | Thursday         | Last Day of Classes                                  |
| December 7      | Friday           | Examination Reading Day – No Classes                 |
| December 8      | Saturday         | Immaculate Conception                                |
| December 8-14   | Saturday-Friday  | Final Examinations                                   |
| December 15     | Saturday         | Grade Reports Due                                    |
| December 15     | Saturday         | All students must check-out before 12:00 p.m. (noon) |

## Spring Term 2019

|                  |                  |   |
|------------------|------------------|---|
| January 5        | Saturday         | Students may check-in after 9:00 a.m.                               |
| January 7        | Monday           | First Day of Classes  |
| January 14       | Monday           | Last Day to Add Courses   |
| January 16       | Wednesday        | Last Day to Drop Courses  |
| January 18       | Friday           | March for Life – Classes in Session                                 |
| February 18      | Monday           | Provisional Grade Reports Due                                       |
| March 2-10       | Saturday-Sunday  | Spring Break – No Classes   |
| March 20-April 5 | Wednesday-Friday | Advising and Registration Period                                    |
| March 25         | Monday           | Feast of the Annunciation – Classes in Session                      |
| April 18-22      | Thursday-Monday  | Easter Break – No Classes   |
| April 22         | Monday           | Classes resume at 5:30 p.m. on Easter Monday                        |
| April 3          | Wednesday        | Last Day to Withdraw from Courses with a “W”                        |
| April 24         | Wednesday        | Last Day of Classes   |
| April 25         | Thursday         | Examination Reading Day – No Classes                                |
| Apr 26-May 2     | Friday-Thursday  | Final Examinations  |
| May 3            | Friday           | Grade Reports Due; Baccalaureate Mass                               |
| May 3            | Friday           | All non-graduating students must check-out before 12:00 p.m. (noon) |
| May 4            | Saturday         | Commencement  |
| May 5            | Sunday           | Graduating students must check-out by 12:00 p.m. (noon)             |

## Summer Session I, 2019 (on campus and online)

|         |                |  |
|---------|----------------|--|
| May 6-7 | Monday-Tuesday | Introductory Days                            |
| May 8   | Wednesday      | First Day of Classes                         |
| May 9   | Thursday       | Last Day to Add Courses                      |
| May 13  | Monday         | Last Day to Drop Courses                     |
| June 13 | Thursday       | Last Day to Withdraw from Courses with a “W” |
| June 25 | Tuesday        | Last Day of Classes                          |
| June 26 | Wednesday      | Reading Day                                  |
| June 27 | Thursday       | Final Examinations                           |
| June 28 | Friday         | Grade Reports Due                            |

## Summer Session II, 2019 (online)

|           |                |  |
|-----------|----------------|--|
| July 1-2  | Monday-Tuesday | Introductory Days                            |
| July 3    | Wednesday      | First Day of Classes                         |
| July 5    | Friday         | Last Day to Add Courses                      |
| July 8    | Monday         | Last Day to Drop Courses                     |
| August 8  | Thursday       | Last Day to Withdraw from Courses with a “W” |
| August 20 | Tuesday        | Last Day of Classes                          |
| August 21 | Wednesday      | Reading Day                                  |
| August 22 | Thursday       | Final Examinations                           |
| August 23 | Friday         | Grade Reports Due                            |







# I. Introduction and General Information

The University is a place of concourse, whither students come from every quarter for every kind of knowledge. ... It is a place where inquiry is pushed forward, and discoveries verified and perfected, and rashness rendered innocuous, and error exposed, by the collision of mind with mind, and knowledge with knowledge.

—John Henry Cardinal Newman, *The Idea of a University*

## Ave Maria University Mission Statement

Founded in fidelity to Christ and His Church in response to the call of Vatican II for greater lay witness in contemporary society, Ave Maria University exists to further teaching, research, and learning at the undergraduate and graduate levels in the abiding tradition of Catholic thought in both national and international settings. The University takes as its mission the sponsorship of a liberal arts education curriculum dedicated, as articulated in the apostolic constitution *Ex Corde Ecclesiae*, to the advancement of human culture, the promotion of dialogue between faith and reason, the formation of men and women in the intellectual and moral virtues of the Catholic faith, and to the development of professional and pre-professional programs in response to local and societal needs. As an institution committed to Catholic principles, the University recognizes the importance of creating and maintaining an environment in which faith informs the life of the community and takes expression in all its programs. The University recognizes the central and indispensable role of the Ordinary of the Diocese of Venice in promoting and assisting in the preservation and strengthening of the University's Catholic identity.

## Ave Maria University Catholic Identity Statement

Ave Maria University is a Catholic, liberal arts institution of higher learning devoted to Mary the Mother of God, inspired by St. John Paul II and Blessed Teresa of Calcutta, and dedicated to the formation of joyful, intentional followers of Jesus Christ through Word and Sacrament, scholarship and service.

## Catholic Identity and History

Ave Maria University is a Catholic liberal arts-based institution of higher education devoted to the education of the whole person, a dynamic process that engages students in both the pursuit of academic excellence and a deep exploration of Catholic faith and culture. The essential mission of the University is the development of a Christ-centered scholar prepared for lifelong learning, professional career, or pursuit of further graduate education.

In 1998, Ave Maria Institute was founded as a two-year institute of Catholic higher education with the encouragement and support of Bishop Carl F. Mengeling of the Diocese of Lansing, Michigan. After it began in September 1998 with 40 students, Ave Maria Institute quickly grew and developed an ambitious and far-reaching plan for development. In 1999, it acquired a branch campus in Nicaragua. In the year 2000, Ave Maria College was pre-accredited by the American Academy for Liberal Arts Education and approved by the State of Michigan as a four-year, degree-granting educational institution offering the Bachelor of Philosophy degree. The Ave Maria College graduated its first class in Spring 2002. The College received candidacy from the North Central Association in the Spring of 2003.

Originally conceived as a Michigan development, the wisdom of establishing a Florida entity as the foundation for the University became increasingly clear. Thus, an interim campus of Ave Maria University was established at the Greenfield Commons property, 1025 Commons Circle, in Naples, FL. This campus was located on seven acres and contained two four-story mid-rise, condominium style residence halls, a two-story men's residence hall, indoor-outdoor recreational facilities, classrooms, academic laboratories, a multipurpose facility (bookstore, chapel-auditorium, visitors center, library, classrooms, and offices), an adoration chapel, a dining facility, offices for faculty and administrative personnel, and faculty residences.

This campus contained more than 75,000 square feet of space. While the University launched its operations in the Vineyards in North Naples, property acquisition, planning, permitting, and construction work began on the permanent campus located east of Naples near the Immokalee community.

In the Summer of 2007, the University opened the doors of its new campus in Ave Maria, Florida. The campus is located in the community of Ave Maria which is in Eastern Collier County on property between Oil Well Road and Camp Keais Road approximately 20 miles east of Naples, Florida and 5 miles south from Immokalee. The campus opened with single-sex dormitories, the Canizaro Library, an academic building with classrooms, faculty offices, a lecture hall and an impressive array of scientific laboratories and equipment, and a student union with a capacious dining hall, conference rooms, fitness room, and student lounges, as well as several outdoor sports and recreational fields and courts. Adoration chapels are located in the dormitories and the Canizaro Library. The Oratory was dedicated as the quasi-Parish of Ave Maria Oratory by the Most Rev. Frank J. Dewane, Bishop of the Diocese of Venice in Florida, on the Feast of the Annunciation 2008. On the Feast of Our Lady of the Rosary in 2011, Bishop Dewane established Ave Maria University as a Catholic University according to the guidelines of the Code of Canon Law. In 2017, the Diocese of Venice purchased the Oratory so that it is now a parish church. The following year the University completed construction of the Thomas and Selby Prince Building, which includes a 400-seat auditorium, a state of the art nursing laboratory, and the Jack Donahue Black Box Theater.

The University was built as an integrated entity containing the educational and student support facilities, a distinctive church, a commercial center, and residential and recreational areas. The total land owned by the University is almost 1,000 acres. The campus was initially designed to occupy approximately 113 acres.

## Accreditation and State Approval

### *Southern Association of Colleges and Schools Commission on Colleges*

Ave Maria University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, masters, and doctorate degrees (B.A., B.S., B.S.N., M.T.S., M.A., M.B.A., and Ph.D.). Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of Ave Maria University.

### *Licensure from the Florida Commission for Independent Education*

Due to its accreditation from SACSCOC, Ave Maria University is officially exempt from licensure by the Commission for Independent Education, Florida Department of Education. Additional information regarding this institution may be obtained by contacting the Commission at 325 West Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, telephone number (888) 224-6684. The Commission's website is [www.fldoe.org/cie](http://www.fldoe.org/cie).

## Ave Maria University Board of Trustees

Ave Maria University is governed by a self-perpetuating Board of Trustees that oversees the activities of the University. From a legal perspective, the Board of Trustees is the University.

In accordance with the bylaws of the University, the Ave Maria University Board of Trustees is composed of members of the Catholic Church committed to its Magisterium, i.e., the teaching authority of the Catholic Church. This Board guides the development of the institution and takes responsibility for its ongoing programs and success. According to the bylaws and common practice, the Board delegates to individual officers or groups authority to formulate policies and procedures affecting the operations and academic affairs of the University. In accordance with the laws of the State of Florida, the Board exercises fiduciary responsibility for the University, reviewing and approving its annual budget and making appropriate policy decisions. The Board of Trustees is deliberative in its processes and often depends on administrators to propose policies for consideration on matters of importance to the institution.

On the recommendation of the faculty and administrators of the University, the Board confirms and awards all academic degrees and honors.

## Completion and Graduation Rates

The calculation of the graduation and completion rates for institutions of higher education is not an easy task, given the various ways in which the rates can be figured, defined, and treated from various statistical perspectives. The undergraduate degree completion and graduation rates of Ave Maria University are similar to many institutions of higher education, which generally achieve graduation rates of first-time students in the 40-60 percent range. The institution makes every effort to follow the definitions as outlined in the Common Data Set for the six-year graduation rate. For the undergraduate cohort that entered in 2008, the six-year graduation rate was 43%. For the cohort that entered in 2009, the six-year graduation rate was 51%. For the cohort that entered in 2010, the six-year graduation rate was 63%. For the cohort entering in 2011, the six-year graduation rate was 64%. For the cohort entering in 2012, the six-year graduation rate is 59%. For the cohort entering in 2013, the six-year graduation rate will be known in September 2019.

## Constitution Day

In conformity with federal regulations, the University observes Constitution Day on September 17th of each academic year with special activities.

## Canizaro Library and Technology Learning Resources

Canizaro Library provides print and electronic resources that support the quest for truth. In support of this mission, the Library has a collection of over 200,000 print volumes in addition to numerous electronic books and journals that are available from anywhere by visiting the Library's website. The Library also has several special collections, including one of the largest Catholic Americana collections, which researchers may use by making an appointment with Rare Books and Special Collections staff. Materials that are not owned by the Library may be requested from other libraries through interlibrary loan. Librarians also offer classes and individual consultations to teach research skills and are able to assist with research papers in every discipline.

A variety of study spaces are available in the Library to support both group and individual work. Study rooms with whiteboards are available on the second floor and may be reserved. The second floor is reserved for silent study. Please note that food is not permitted in the Library and drinks must be in spill-proof containers.

Access to computers is on both floors of the Library. All computers have Microsoft Office Suite and select computers on the second floor have software that will be useful to students studying Music and Greek. A multipurpose copier/printer/scanner is on the first floor of the Library providing students with easy access to print and to copy items in the Library's collection. A limited number of laptops are also available to be checked out for use in the library.

Library staff curate monthly displays of materials from both the Library's general collection and special collections. Additionally, at least one art exhibit per semester is displayed in the Canizaro Exhibit Gallery located on the second floor of the Library.

### *Library Hours\**

|                 |                        |
|-----------------|------------------------|
| Sunday          | 1:00 p.m. – Midnight   |
| Monday-Thursday | 8:00 a.m. – Midnight   |
| Friday          | 8:00 a.m. – 6:00 p.m.  |
| Saturday        | 10:00 a.m. – 6:00 p.m. |

\*Hours are reduced during breaks and extended during final exams.

## Information Technology Policy

Ave Maria University Information Technology (IT) policy prohibits its staff and students from use of the Ave Maria computer network resources for illegal, unethical or inappropriate activity. The complete policy is available from the librarian, the Chief Information Officer, or the Vice President for Student Affairs.

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## II. Admission to Undergraduate Studies

It is the nature of human beings, and especially youth, to seek the Absolute, the meaning and fullness of life. Dear young people, do not be content with anything less than the highest ideals! ...Our personal encounter with Christ bathes life in new light, sets us on the right path, and sends us out to be His witnesses (cf. *Veritatis Splendor*, 88).

—John Paul II, Invitation to 2002 World Youth Day in Toronto

### General Principles

Ave Maria University's undergraduate student body consists of an exceptional community of young scholars. The academic enthusiasm and moral character of her students is second to none; this is one of the hallmarks of Ave Maria University.

It is the desire of the Admissions Office to assist students in their efforts to find a university that will enable them to develop into all that God has designed for them. At Ave Maria University, students will be challenged intellectually, spiritually, and socially. Therefore, a careful admissions process is followed for each student, and several factors determine acceptance to the University.

Applicants for admission must furnish evidence of good character, excellent academic preparedness, and an ability to succeed in the rigorous demands of the curriculum.

### Admissions Counseling

The Ave Maria University Admissions Office provides information and admissions counseling for prospective students. Interviews are a desirable part of the admissions procedure.

### An Overview of the Admissions Process

Step 1: Complete the application procedure. A detailed description of the process is outlined under "Admissions Procedure" in this Catalogue.

Step 2: Once the Admissions Office receives all essential documents, the complete application is evaluated by the admissions counselor for acceptance in accord with the admissions criteria of the University. If the applicant does not meet the admissions criteria, the Admissions Committee will review the application for possible acceptance.

Step 3: The Admissions Office mails a decision letter to the applicant.

Step 4: All accepted students, including degree-seeking, guest, dual-enrolled, and personal enrichment students, are required to submit a \$300 enrollment fee. Students who have left the university and are accepted through the readmission process are required to submit a \$150 enrollment fee.

### Admissions Procedure

Students may submit applications after completing their junior year in high school. Applying early is encouraged. Applications are submitted online. An admissions file is considered complete when the Admissions Office has received the following:

1. A completed Ave Maria University application;
2. An official high school transcript;

3. Official SAT or ACT test scores submitted via the testing agencies or as part of the high school transcript. (Ave Maria University, Ave Maria, Florida's school ACT code is 6212 and SAT code is 4249); and
4. All official college transcripts, if the student has taken any college courses (please see the Transfer Student section).

Official transcripts must be signed, sealed, and submitted directly from each institution. Paper transcripts may be mailed to:

Office of Admissions  
Ave Maria University  
5050 Ave Maria Blvd.  
Ave Maria, FL 34142-9505

Transcripts may also be submitted electronically through transcript services such as eSCRIP, Parchment, and Naviance. Transcripts sent via e-mail are not considered official.

## Standards for Admission

First time college attendance (FTCA) applicants should have at least a 2.8 high school unweighted GPA and a 21 ACT or a 1060 SAT (two-part).

Transfer students should have a cumulative 2.6 GPA from all colleges attended. Transfer students who have not completed an associate degree also submit official high school transcripts.

The University may accept students who do not meet the above criteria, but upon closer review indicate a probability for success based upon a review of a broad range of factors. The University reserves the right to administer placement tests and procedures to admitted students to improve advising, assist in course placement, and enhance probabilities for student success.

## Completion of High School

Applicants who intend to enroll as freshmen typically apply after junior year of high school or during senior year. Therefore, an official, but not final, transcript will be used to determine the student's eligibility for acceptance. At the completion of the senior year, a final and official transcript must be sent from the applicant's high school to the University. The University reserves the right to revoke the acceptance of a student if academic performance has severely declined as evidenced by the final transcript.

## High School Program Preparation

A comprehensive college preparatory program is an important foundation for fostering a liberal arts education. Ave Maria University recommends the following curriculum in preparation for its academic program:

1. Four years of English (Literature, Grammar, Composition)
2. Four years of Social Studies (including History)
3. Three to four years of Mathematics (Algebra I, Geometry, and Algebra II)--Calculus is not required, but recommended for students pursuing a degree in Mathematics
4. Three years of Science (preferably Biology, Chemistry and Physics)
5. Two years of Foreign Language (Ancient or Modern)
6. Two years of Art (including Performing and Visual Art)
7. Four years of electives

## Transfer Students

Students are defined as transfer students if they have enrolled in another regionally accredited college or university following graduation from high school. All transfer applicants must:

- Have a minimum cumulative 2.6 grade point average in college-level courses (excluding developmental/remedial courses) from all accredited institutions attended;
- Have completed 24 transferable semester credit hours of college-level academic coursework; those students who have completed fewer than 24 semester hours of college-level academic coursework at one or more regionally accredited institutions must meet all freshmen admission requirements;
- Be eligible to re-enroll at the last institution attended; and
- Have completed all college preparatory curriculum requirements.

## Homeschooled Students

Ave Maria University encourages homeschooled students to apply for admission. A homeschooled student must submit:

1. An application for admission.
2. Transcript from an accredited homeschool program showing completion of high school or documentation showing courses that fulfill the University's high school course recommendations. (The Ave Maria University Admissions Office has created a Homeschool Transcript Form, which can provide a format for creating transcripts. This tool is especially helpful for families who have followed an independent program of home schooling. Please contact the Admissions Office if you would like to receive this transcript form.)
3. Official SAT or ACT test scores submitted via the testing agencies (Ave Maria University's ACT code is 6212 and SAT code is 4249).

## International Students

International applicants are expected to complete their admissions files by July 1 to be eligible for enrollment in Fall semester, or by November 1 for Spring semester.

Applicants must submit the following:

1. Completed application for admission;
2. Certified copies of all academic transcripts/educational certificates and records, as well as English translations;
3. Students from countries where the primary language is not English must provide proof of fluency in spoken and written English through submission of an official TOEFL or IELTS score, or submission of written work and an interview with an admissions officer.
4. Copy of identification page of Passport, including photo; and
5. Bank statement or affidavit showing ability to pay a full year cost of attendance.

Consideration for admission will be delayed until all required credentials are received by the Admissions Office. International students must submit proper transcripts (or certificates) of all academic records or examination results documenting each year of study beginning with the first year of secondary school and continuing through all post-secondary or university level work. These documents must be signed by the appropriate school officials. Only original or certified copies will be accepted. Original documents will not be returned; all documents become the property of Ave Maria University. When official credentials are in a language other than English, a certified English translation must be included.

### *Transferable Credits for International Students*

Due to variations among educational systems from country to country, Ave Maria University reserves the right to require that all international students who wish to transfer college or university credits from another school pay for professional credential evaluation services. Credential evaluation services must be provided by independent evaluation agencies. The American Association of Collegiate Registrars and Admissions Officers' (AACRAO) Office of International Education Services is



suggested or World Education Services (WES). Transfer students using AACRAO or WES must select a Course-by-Course Evaluation procedure so that each class can be evaluated for transferable credits. To request an evaluation from AACRAO, please contact: <http://www.aacrao.org/international/>. The evaluation service provided by WES can be requested at <http://www.wes.org/students/index.asp>.

#### *Standardized Tests for International Applicants*

Ave Maria University reserves the right to request that international applicants submit scores from the Test of English as a Foreign Language (TOEFL).

A minimum score of 80 is required on the internet-based test, 550 is required on the paper-based test and 213 is required for the computer-based test. Students may instead submit scores from the IELTS International English Language Testing System. The minimum score required for the IELTS is 6.5.

Official SAT or ACT scores may be substituted if a TOEFL score is not available. For more information about the ACT visit <http://www.act.org>. For more information about the SAT visit [www.collegeboard.com](http://www.collegeboard.com). (Ave Maria's SAT code is 4249; the ACT code is 6212.)

#### *TOEFL Testing Sites*

TOEFL information and registration forms are available outside the United States, usually at U.S. consulates and embassies, offices of the U.S. Information Agency, and other U.S. educational commissions and foundations. Candidates who cannot obtain information locally on TOEFL should contact the Educational Testing Service, Box 955, Princeton, New Jersey 08540.

The Office of Admissions may request a written personal statement or interview if there is doubt regarding an international applicant's English language and/or writing abilities.

#### *Notice of Admission for International Students*

When an international student is accepted, the Admissions Office will send an official notice of acceptance, as well as the Certificate of Eligibility (I-20 form). It is the student's responsibility to make appropriate arrangements with his or her local U.S. Embassy or Consulate for the visa interview. Admission is for a specific term. If the student is unable to enroll for the term indicated in the notice of acceptance, the Admissions Office should be informed immediately. If the student wishes to be considered for entrance in a different term, the Admissions Office must be notified in writing.

#### *Financial Arrangements*

International students must be able to finance their tuition, room, board, books, and travel to and from the United States. Before obtaining a visa and leaving his or her country, a student must be able to furnish the U.S. Consulate evidence of financial resources to support the costs of tuition charges for the year, as well as an estimated \$2,350 for transportation and related costs.

#### *Employment*

According to the regulation of the United States Citizenship and Immigration Services (USCIS), those who enter the country with F-1 student visas may not accept off-campus work, unless they have proper approval from the USCIS. This regulation does not apply to on-campus student work programs that are available. However, the USCIS does not permit dependents of international students to be employed under any circumstances. Students cannot expect to work in order to meet educational expenses. The maximum amount of hours per week that any Ave Maria student can work is 20 hours. This number of hours was established by the University faculty as the maximum amount a student should undertake while also pursuing a normal program of study.

#### *Income Tax*

It is the responsibility of each individual employed in the United States to comply with income tax regulations. Salaries and wages received in payment for work performed by non-citizens and some scholarships and grants awarded to F-1 students come under the tax laws of the United States. It is Ave Maria University policy not to act in the capacity of tax advisors. It is

advisable to have questions pertaining to filing U.S. taxes answered by the Internal Revenue Service or by a reliable tax consultant.

## High School Dual Enrollment Students

High school students may enroll for part-time study while finishing their high school graduation requirements. Students may enroll in courses taught on campus or through Ave Maria University's Online Education program. The minimum age for high school dual enrollment is 16 years of age.

Official enrollment through the high school may be required. Tuition reimbursement may be available from participating area high schools. Students should check with the high school guidance and counseling office for information regarding college and high school dual enrollment.

A maximum of two classes per semester is permitted for dual enrollees. Dual enrollees file the standard Application for Admission and select "High School Dual Enrollment" under the special program section of the application. No application fee is charged for high school dual enrollment applicants.

To apply, high school dual enrollment applicants must submit the following:

1. A completed Ave Maria University application;
2. An official high school transcript

Once a student seeking dual-enrollment status has completed the admissions process, he or she will be notified of the admissions decision. Upon acceptance, the student must submit a \$300 enrollment fee.

A dual-enrolled student who intends to become a degree-seeking student must submit a new application for admission and all additional documentation needed to complete the admissions file. Tuition charged for dual-enrolled students is the same as that charged for regular students.

## Guest Students

Students enrolled at another college or university may attend Ave Maria University as guest students. A Guest Student Application may be submitted at any time before the semester begins. The application requires students to receive permission for each academic term from both the Admissions Office of Ave Maria University and their home institutions.

Guest students must be in good standing at their home institutions and have at least a 2.64 grade point average. The student should consult the home institution to verify that the classes taken at Ave Maria University are acceptable in the student's curriculum. Students must earn C grades or better in all courses taken at Ave Maria University to be considered for future admission as guest or regular students.

Once a guest student has completed the admissions process the student will be notified of the acceptance decision. At that time, the accepted student must submit a \$300 enrollment fee.

A guest student who intends to become a degree-seeking student must submit an application for admission and all additional documents needed to complete the admissions file. A guest student is not eligible to receive financial assistance. Tuition for guest students is the same as that charged for regular students.

## Personal Enrichment Students

Individuals who wish to enroll in classes at Ave Maria University but do not intend to seek a degree are considered personal enrichment students. These students are required to complete the Personal Enrichment Application. This application may be completed at any time before the semester begins. Personal enrichment students seeking credit must earn or have earned C grades or better in any previous courses in order to remain eligible for enrollment.

Personal enrichment students may complete courses for credit or on an audit basis. Transcripts are generated for all personal enrichment students.

Once a personal enrichment student has completed the admissions process, the student will be notified of the acceptance decision. If accepted, the student must submit a \$300 enrollment fee and an official class registration form.

A personal enrichment student who intends to become a degree-seeking student must submit an application for admission and all additional documentation needed to complete the admissions file. A personal enrichment student is not eligible to receive financial aid. Tuition for personal enrichment students enrolled in classes for credit is the same as that charged for regular students; personal enrichment students taking classes on an audit basis are charged one-half the regular per-credit hour charge.

## Re-Admission

Students who have voluntarily taken one or two semesters off from Ave Maria University, were in good academic standing upon their departure, and have not attended any other college or university, may simply contact the Office of Academic Records and begin the registration process.

Students who left Ave Maria University and attended another college or university, or who have been away for more than two semesters must re-apply for admission. Students who have left after failing to maintain Satisfactory Academic Progress, as well as students who have been dismissed from Ave Maria University for academic or disciplinary reasons, are also subject to further review before readmission is offered. Readmitted students who were previously dismissed for academic reasons will be automatically placed on probation during their first semester after their return.

The readmission process includes:

1. A completed Ave Maria University Application; and, if applicable.
2. An official college transcript from each institution attended since leaving Ave Maria University.
3. Submission of a \$150 enrollment fee.

No student is readmitted until all past fees and charges due to Ave Maria University have been remitted.

## Advanced Placement and CLEP Credit

Ave Maria University may accept the results from the Advanced Placement (AP) or the College Level Examination Placement (CLEP) examinations for credit toward a student's graduation requirements. Please see the section in Academic Policies for more information. Advance International Certificate of Education (AICE) from Cambridge and International Baccalaureate (IB) materials will be reviewed on a case-by-case basis.

## Non-Discrimination Policy

Ave Maria University recognizes the inherent dignity of all members of the human family and seeks racial, cultural, and ethnic diversity. Ave Maria University prohibits discrimination on the basis of race, color, national origin, gender, age, disability, or status as a veteran or disabled veteran. Ave Maria University maintains its Catholic character while remaining open to persons of all religious faiths who respect its goals.

## Placement Tests and Diagnostic Exams

The University tests all of its students in the area of mathematics. Students must take the mathematics placement exam prior to enrolling in classes. The results of the mathematics placement exam guide placement into mathematics courses. The Department of Classics & Early Christian Literature offers an optional Language Placement Exams. Please see the section on undergraduate major programs for more detailed information from the relevant department. Ave Maria University reserves the right to administer tests to incoming students for assessment and placement purposes.

## Pictures

The University reserves the right to publish photographs of current and past students engaged in classes or other officially sponsored University activities.



### III. Financial Information

#### 2018-2019 Undergraduate Tuition and Fees\*

Tuition does not cover the whole cost of education of the students at Ave Maria University. Contributions from supporters must meet the balance. The University makes every effort to control costs while offering a high level of academic instruction and student services within an environment enlightened by the Catholic Faith.

|                       | Fall Semester | Spring Semester | Total        |
|-----------------------|---------------|-----------------|--------------|
| Tuition               | \$9,989.00    | \$9,989.00      | \$19,978.00  |
| Technology Fee        | \$250.00      | \$250.00        | \$500.00     |
| Activity Fee          | \$152.00      | \$152.00        | \$304.00     |
| Athletic Fee          | \$34.00       | \$34.00         | \$68.00      |
| Tuition and Fees      | \$10,425.00*  | \$10,425.00*    | \$20,850.00* |
|                       |               |                 |              |
| Room                  | \$3,210.00    | \$3,210.00      | \$6,420.00   |
| Board                 | \$2,461.00    | \$2,461.00      | \$4,922.00   |
| Laundry Fee           | \$47.00       | \$47.00         | \$94.00      |
| Room, Board, and Fees | \$5,718.00    | \$5,718.00      | \$11,436.00  |
|                       |               |                 |              |
| Total                 | \$16,143.00   | \$16,143.00     | \$32,286.00  |

\*A student who registers for 12–18 credit hours in a semester will be charged the flat rate for tuition. Any student who registers for 19 credit hours or more in any one semester will be charged \$366 for each additional credit hour above the 18 credit hour level.

#### Part-time Student, Personal Enrichment or High School Dual Enrollment

|                |                       |
|----------------|-----------------------|
| Tuition        | \$833 per credit hour |
| Technology Fee | \$21 per credit hour  |
| Activities Fee | \$13 per credit hour  |

Part-time students may take up to 11 credit hours per semester. Students taking 12 or more credit hours per semester must enroll as a full-time student and pay full tuition. The tuition for auditing a course is one-half of the normal per credit hour charge.

In addition to the general charges listed above, some specified classes assess fees as follows:

- Science classes with a laboratory, \$42 per laboratory, per semester
- BIOL 105 and BIOL 106 with a laboratory, \$157 per laboratory, per semester, to cover cost of field trips
- BIOL 321 and BIOL 400, \$157 per lecture, per semester, to cover cost of field trips
- COMM 350, \$42 per semester

- Applied music classes - Music majors, primary concentration, \$157 per semester
- Applied music classes - Music majors, secondary concentration, \$209 per semester
- Applied music classes - Music minors, \$209 per semester
- Applied music classes - Non-Music majors, minors, \$522 per semester
- Directed Independent Study, \$522 per DIS (Fall and Spring semester only; typically a student may have only one directed independent study in his or her program)
- Nursing program, \$141 per semester

## Summer Session 2019, Undergraduate Student (tentative schedule of tuition and fees)

|                |                       |
|----------------|-----------------------|
| Tuition        | \$365 per credit hour |
| Technology Fee | \$53 per session      |
| Activities Fee | \$53 per session      |

## Student Financial Assistance Programs

Ave Maria University is committed to excellence in education and service to students. A college education requires a significant financial commitment. Ave Maria University's Financial Aid Office strives to help qualified students afford the cost of education. We believe no student who can benefit from an Ave Maria University education should be denied this opportunity due to finances. Nevertheless, the University's financial resources are limited, and financial assistance programs are offered on the basis of demonstrated financial need as determined by Ave Maria University.

### *Ave Maria University Merit Scholarships*

All undergraduate students who are accepted for study at Ave Maria University are reviewed for eligibility. Students are awarded based on prior academic achievement and test scores (ACT or SAT). The scholarships are automatically renewed provided that the student continues to meet the criteria outlined in his or her letter. If a student fails to meet any of these criteria, the scholarship may be discontinued. In addition to academic scholarships, Ave Maria University offers scholarships that are funded by our generous benefactors. Many of these scholarships have particular criteria that must be met in order for a student to be eligible. If you have any questions pertaining to the scholarship policies at Ave Maria University, please refer to the Financial Aid website.

### *Student Work Program*

Students needing a job to help meet their education expenses may be eligible for employment under the Ave Maria University Work program. The University does not place students in jobs; students will be responsible for applying for jobs that are posted on the Ave Maria University website under Career Services College Central. These include Federal Work Study (for undergraduate students) and institutional student employment.

## Student Rights and Responsibilities Regarding Financial Assistance

Current federal law requires each eligible institution participating in Title IV federal and state financial aid programs to provide consumer product information about student financial assistance and other institutional information.

### *The student has the right:*

- To know all the federal, state, and University student financial assistance programs available, including both need-based and non-need-based programs.
- To know the policies, procedures, forms, deadlines, and eligibility requirements for financial aid, and the criteria for selecting recipients and determining the amount of financial assistance to be awarded to a student.
- To know the costs of attending the University, how those costs are determined, and how your student budget is developed.
- To know how to apply for financial aid, what resources were considered in calculating financial need, how FAFSA's Expected Family Contribution was determined, and how much financial need has been met.

- To know the standards required for maintaining Satisfactory Academic Progress for financial aid eligibility, and how to petition for reinstatement of eligibility for Title IV federal and state financial aid.
- To know how and when disbursement of financial aid is made, the University's refund policy, and any refund due to Title IV federal/state and other student assistance programs.
- To know the institution's procedures for officially withdrawing from the University.
- To know the terms and conditions of loans, employment, scholarships, grants, or benefit programs received.
- To know the policies and procedures used to maintain confidentiality of financial aid records. Ave Maria University complies with the Family Educational Rights and Privacy Act of 1974.
- To know how to contact the financial aid staff regarding information on financial aid assistance programs.
- To expect fair treatment: Ave Maria University's Financial Aid Office does not discriminate on basis of race, color, sex, age, national origin, religion, sexual orientation, disability or veteran status.
- To know the names of the agencies that accredit, approve, or license the University and its programs, and how these documents of accreditation may be reviewed.
- To know the terms of, schedules for, and requirement of loan repayment, along with the importance of loan exit counseling.
- To know the terms and conditions of available loan deferments.
- To know campus security policies and crime statistics.
- To know what facilities and services are available to University students with disabilities.

*It is the student's responsibility:*

- To read and consider all information about the University before enrolling.
- To complete accurately and honestly the Free Application for Federal Student Aid (FAFSA or Renewal FAFSA), and all academic and financial aid eligibility information being submitted to the University. Providing false or misleading information is a criminal offense, subjecting individuals to a \$10,000 fine, imprisonment, or both.
- To use any federal, state, University, or private scholarship/financial aid received solely for expenses related to attendance at Ave Maria University or an approved study abroad program.
- To comply with aid verification requirements by providing verification or additional information as requested by the Financial Aid Office, and submit FAFSA corrections or new information, as appropriate.
- To read, understand and accept responsibility for all forms or agreements you sign. We recommend that copies be kept.
- To report to the Financial Aid Office if one is in default on a student loan or if one owes a refund or repayment on any educational grant received from any school.
- To notify student loan lender(s) of changes in name, address, and school status.
- To know and comply with the University policies, practices, and procedures as they relate to financial aid: withdrawal, class attendance, refund/repayment, satisfactory academic progress, debt management, and enrollment status for aid disbursement.
- To keep address and phone number current with the Office of Academic Records. Your personal email will be utilized until the first day of class. As of the first day, the Ave Maria University Student email is the official form of communication used by the Financial Aid Office in terms of Award and documentation requests.

## Financial Aid Cancellation

The Financial Aid Office reserves the right on behalf of Ave Maria University to increase, decrease or cancel an award due to changes in housing, aid sources, income/assets, academics, regulations, appropriations or processing errors.

## University Withdrawal/Enrollment Changes

If you withdraw from the University or drop classes within an enrollment period, keep the following points in mind:

1. To withdraw or drop classes officially, students must contact the Office of Academic Records and follow all required official withdrawal/drop procedures.

2. If you leave the University and do not formally withdraw, you will be assigned a grade of “F” (failure) for all courses for which you were registered.
3. Withdrawal or dropping classes does not eliminate your financial obligation to the University. You are still responsible for any charges owed to the University at the time you withdraw or drop classes, based on the University’s tuition and housing refund policies.
4. There are specific federal, state, and University withdrawal/drop policies regarding tuition and fees, housing charges, refunds to financial aid programs, and repayments, which result from withdrawal from enrollment. Students should consult the Financial Aid Office for details.

## Return of Title IV Funds

If you receive financial aid, and subsequently do not enroll at Ave Maria University, or enroll and then withdraw from the University, you may be required to return financial aid funds received. The Financial Aid Office must calculate the amount of financial aid you have “earned” prior to withdrawing or canceling your registration. Any aid received in excess of the earned amount is considered “unearned”. This unearned financial aid must be returned to the programs from which they were disbursed. This amount is jointly shared by Ave Maria University and the student, and is based on your official withdrawal date or the date all classes were dropped.

If you decide not to attend a term, you must notify the Office of Academic Records of your change of enrollment. Failure to notify may disqualify you from receiving a refund of tuition/fees, which will result in a greater liability for financial aid disbursed and/or applied to your student account.

## Status Changes

Any change in name, address, aid sources, enrollment or other changes to student status must be reported immediately to the Financial Aid Office. Changes in the family’s financial circumstances may be submitted to the Financial Aid Office at any time for review, to receive consideration for assistance adjustments.

## Enrollment Status

Eligibility for financial aid programs requires a minimum period enrollment. In general, University and state scholarships/grants require consecutive full-time degree seeking enrollment, and federal programs require at least a half-time enrollment status, except for the Pell Grant program.

## Federal Aid Programs General Information

The U.S. Department of Education has the following major Student Financial Assistance (SFA) Programs: Federal Pell Grant, Stafford Loans, and PLUS Loans, and Work Study. Grants are financial aid that you do not have to pay back. Loans are borrowed money that you must repay with interest.

## Student Eligibility for Federal Student Aid Programs

To receive aid from one or more of these federal student aid programs, the student must:

- Demonstrate FAFSA financial need, except in the case of some loan programs.
- Have a high school diploma or a General Education Development (GED) Certificate, or meet other established state standards approved by the U.S. Department of Education.
- Be enrolled or accepted for enrollment as a regular student working toward a degree.
- Be a U.S. citizen or eligible non-citizen.
- Have a valid Social Security Number.
- Make satisfactory academic progress.

- Sign a statement on the Free Application for Federal Student Aid (FAFSA) certifying that you will use federal student aid only for educational purposes.
- Sign a statement on the FAFSA certifying that you are not in default on a federal student loan and that you do not owe money back on a federal student grant.
- Register with the Selective Service, if required.

When you apply for aid from the federal student aid programs, the U.S. Department of Education verifies some of your information with the following federal agencies:

- Social Security Administration – verification of Social Security Numbers and U.S. citizenship status.
- Selective Service System – verification of Selective Service registration status, if applicable.
- Immigration and Naturalization Service – verification of eligible non-citizenship status, if applicable.
- Department of Justice – verification that a student has not been denied Federal student aid by the courts as a result of a drug-related conviction.
- Veterans' Administration – verification of veteran's status, for dependency status determination.

## Federal, University, and State Aid Refund Policies and Procedures

All Federal and Florida need-based Student Aid Refund Policies and Procedures require that if a student withdraws from all classes prior to the date when 60% of the enrollment period's class days have passed, a student's federal/state student aid for that enrollment period is subject to adjustment. The adjustment of the student's federal/state student aid is determined by calculating the percentage of federal/state aid earned for the number of class days the student was enrolled for the enrollment period. This percentage determines the amount of federal/state student aid the student earned for the enrollment period with the unearned balance being returned to the federal/state aid program(s). University-Funded Aid Refund Policies and Procedures mandate that if a student withdraws from all classes within an enrollment period, aid programs funded from these sources are adjusted by the percentage, if any, used to adjust the student's tuition charges for the enrollment period. If, after all required refund adjustments are made, a student account balance results, the student will be mailed a student account bill detailing all adjustments.

Note: If a student's federal aid adjustment requires the return/refund of loan funds previously refunded to the student, the student will be responsible to repay these funds to the lender as delineated on the loan's promissory note. Excess loan funds not previously refunded to the student would be returned to the lender.

## Withdrawal from the University

### *Refund Policy*

When considering the refund of excess funds on a student's account, Ave Maria University must have received all deferred sources of payment necessary to pay the account in full. These include outside scholarships and grants, student and/or parent loans, monthly payment plans, and any other sources of deferred payments upon which the student's registration was based.

## Withdrawal Financial Credit

It is the student's responsibility to notify formally the Office of Academic Records and to follow proper procedures when withdrawing from the University. Failure to pay fees and/or failure to attend class does NOT constitute an official withdrawal from Ave Maria University. An official withdraw form must be fully completed by the student, dated, and signed by all designated offices and the Office of Academic Records before leaving campus. Students dismissed or suspended by Ave Maria University will not be entitled to a refund.

Students are eligible for a refund of tuition, fees, and room and board charges if they withdraw officially from the course of study according to the following schedule:

| <u>Withdrawal/Drop Date</u>                | <u>Fee % Reassessed</u> | <u>Fee % Due to University</u> |
|--|-------------------------|--------------------------------|
| During the first week of classes           | 100%                    | 0%                             |
| During the 2 <sup>nd</sup> week of classes | 75%                     | 25%                            |
| During the 3 <sup>rd</sup> week of classes | 50%                     | 50%                            |
| During the 4 <sup>th</sup> week of classes | 25%                     | 75%                            |
| During the 5 <sup>th</sup> week of classes | 0%                      | 100%                           |

No refunds will be granted after the start of the fifth week of the semester.

## Satisfactory Academic Progress (SAP) Requirements

Federal regulations (34 CFR 668.16 and 668.34) require that Ave Maria University establish policies to monitor the academic progress of students who apply for and/or receive federal financial aid. The established standards encourage students to complete courses for which aid is received and to progress at a reasonable rate toward the completion of their degree.

### *SAP Policy*

Ave Maria University Standards of Satisfactory Academic Progress measure a student's performance in the following three areas: maximum time frame (Standard 1), quantitative - completion rate (Standard 2), and qualitative - cumulative grade point average (GPA; Standard 3). In order to maintain satisfactory academic progress toward a degree, students must:

- obtain a first bachelor's degree within 192 attempted credits;
- satisfactorily complete a minimum of 66.67% of all attempted credits; and
- maintain the minimum accumulative GPA as follows:
  - 1-31 Credits            1.7 GPA
  - 32-63 Credits        1.9 GPA
  - 64+ Credits           2.0 GPA

## Satisfactory Academic Progress Policy for Financial Aid

Federal regulations mandate that all students demonstrate satisfactory progress toward a degree or certificate to be eligible for financial assistance under the Title IV programs. To monitor this statutory requirement, Ave Maria University (AMU) has developed a policy which includes three required measures of progress:

1. Maximum Time Frame;
2. Pace of Completion; and
3. Qualitative Measure of Progress.

The AMU Satisfactory Academic Progress policy will be applied consistently to all financial aid applicants regardless of whether they had previously received financial aid. Compliance with policy requirements will be checked at the end of each term of enrollment. It is important that you understand the measures of the policy and how it relates to your academic record at AMU. Additional information can be found at <https://www.avemaria.edu/future-students/financial-aid/financial-aid-frequently-asked-questions/satisfactory-academic-progress/>.

### *Maximum Time Frame*

Students in undergraduate programs requiring 128 credit hours for graduation will be eligible for financial aid during the first 192 (12 semesters) attempted credit hours as an undergraduate, including any transferred credit hours accepted for credit toward the degree. Graduate students in the Masters of Theology Program will be eligible during the first 72 attempted credit hours; and doctoral program, 96 attempted credit hours. Eligibility for financial aid ends once students reach this maximum time frame. Only courses required for the student's chosen program are eligible for Title IV Financial Aid.

### *Pace of Completion*

At the end of each semester, students must have earned a minimum of 66.7% of cumulative attempted credits. This completion percentage is applicable to both undergraduate and graduate students. Successful completion of courses is defined as having received a grade of A, B, C, D or P. Unsatisfactory grades are "F," "WF," "W," or "I." Courses audited may

not be used to qualify for financial aid and are not counted toward the attempted and earned hours. Transfer credits are calculated in cumulative pace of completion.

#### *Qualitative Measure of Progress*

All students must maintain a minimum Cumulative Grade Point Average (CGPA), determined by the grade level at which they are classified. Student athletes must meet the minimum CGPA appropriate to their classification to be eligible to compete in intercollegiate athletics at Ave Maria University.

#### Undergraduate

Students who have attempted 1 to 31 credit hours must meet a minimum grade point average of 1.7 CGPA.

Students who have attempted 32 to 63 credit hours must meet a minimum of 1.9 CGPA.

Students who have attempted 64 or greater credit hours must have a minimum of 2.0 CGPA and must maintain at least a 2.0 CGPA for the duration of their undergraduate enrollment.

Graduate students must maintain a minimum of 3.0 CGPA for all coursework attempted.

### Warning, Suspension, and Probation

*Warning:* Students who do not meet one or more of the requirements for all three standards will be placed on financial aid warning until the next review.

*Suspension:* Students who fail to meet the satisfactory academic standards of progress at the end of the warning term will be placed on suspension and will be ineligible to receive financial aid until they meet the minimum GPA and/or completion rate requirements.

*Probation:* If a student submits a Petition for Reinstatement based on mitigating circumstances (as explained below), the student may be granted one semester on a probationary status in which financial aid will be disbursed to the student.

### Eligibility

*Mitigating Circumstances:* Students who do not meet the minimum satisfactory academic progress requirements may request reinstatement of their eligibility based on any of the circumstances listed below. Request for reinstatement must be made in writing (see Petition section). Approval is NOT guaranteed.

- Death/illness of an immediate family member
- Personal injury/illness
- Physical disability
- Other extraordinary/extenuating circumstances

*Petition:* Students seeking reinstatement of their eligibility to receive financial aid must complete a Satisfactory Academic Progress Petition of Reinstatement and attach all required supporting documentation.

*Note:* Financial Aid for the current academic year will be awarded at the time of reinstatement providing funds are still available. All costs of attendance incurred during the period of time in which a student is suspended are the sole responsibility of the student.

### Additional Policies

*Withdrawals:* Students who withdraw from school while receiving financial aid will be subject to the provisions of the Refund and Repayment Policy and may be required to repay part or all of the aid received. In addition, withdrawals will affect the pace measure of progress.



*Incomplete/Repeated Courses:* Students who receive an Incomplete (“I”) grade or who repeat courses will be ineligible to receive aid beyond the time frame for the completion of a degree regardless of whether they have completed the necessary course requirements for the degree.

## Educational Benefits for Veterans

- Chapter 30: Montgomery GI Bill – served Active Duty in the regular Armed Forces
- Chapter 1606: Montgomery GI Bill for qualified members of the Reserves or National Guard
- Chapter 31: Veterans Vocational Rehabilitation for veterans with a service-connected disability
- Chapter 33: Post 9/11 Veterans Educational Assistance Act – served at least 90 days of aggregate service after September 11, 2001 OR received a discharge for a service-related disability after 30 days of service following September 11, 2001
- Chapter 35: Dependents and Survivors of Veterans Educational Assistance Program

### *Responsibilities of the student receiving Veteran Educational Benefits*

- Notify the Office of Academic Records of your intended enrollment each semester and summer.
- Notify the Office of Academic Records of any change in course load (drop, add, withdrawal) within one week of the change. This will help eliminate or reduce potential overpayment of benefits.
- Notify the Office of Academic Records of your current campus address and phone number and any change of address.
- Notify the Office of Academic Records of any change in major.

If your Reserve or National Guard unit is activated and you must leave the University for a period of time, you must notify the Office of Academic Records of your last date of attendance. You must also provide a copy of your federal activation orders. The above office will notify your professors. You will be withdrawn with “W” grades, and you will not be charged for tuition/fees for the term although you will incur room and board charges, if applicable. If you received GI Bill benefits, you will be permitted to keep funds received. Entitlement for those months will not be counted. Your 10-year delimiting date may be extended for the number of months you were activated.

## Termination of Benefits

*Class attendance:* The Office of Academic Records will monitor class attendance via your professors. Students who do not attend on a regular basis, stop attending, or withdraw (officially or unofficially) will be reported to the Atlanta Regional Processor. Such notification may include a last date of attendance for each class, and may result in adjustment or termination of your GI Bill benefits. You should have a drop/withdrawal form signed by the Office of Academic Records to minimize GI Bill overpayment.

*Academic Probation/Suspension and GI Bill eligibility:* A student who is placed on academic probation (or probation combined with academic suspension) for two consecutive semesters at Ave Maria University, will have his/her GI Bill benefits terminated.

### *In addition:*

- Affected students will be notified that their benefits have been terminated.
- If the student re-enrolls or continues enrollment for subsequent semesters, the student must submit a request for resumption of VA benefits.
- Termination of benefits is NOT limited to one time at the University. Benefits will be terminated if the recipient re-enrolls and is subsequently placed on probation/suspension during two semesters of enrollment.

*Academic Suspension:* A student who is placed on academic suspension will immediately have his/her GI Bill benefits terminated.

## Education Benefits Overpayments

An overpayment may result if you receive a grade of I, W, and AU which are not used in computing requirements for your degree program/graduation or if you repeat a course in which you previously received a passing grade, unless a higher grade in that course is required for graduation. Additional causes for overpayments are the following: no longer attending classes; withdrawal from school; information is received from professors which indicates you stopped attending or have not attended class.

### *Avoiding Education Overpayments*

To avoid overpayment of benefits, veterans and dependents must immediately report to the Office of Academic Records any change in credit hours, add/drop, withdrawal or termination of attendance.

- All overpayments must be repaid to the Department of Veteran Affairs (DVA).
- Failure to repay an overpayment will result in adverse credit and debt collection may be turned over to a collection agency or the IRS.
- Contact the Office of Academic Records before you cash your next check if you suspect a change in credit load or termination of attendance could result in an overpayment. Obtain signature of the Office of Academic Records on any drop card or withdrawal form.

### *Applying For Veterans Educational Benefits*

The preferred application method for all education benefits is the "VONAPP," the Veterans Online Application, available at <https://www.vabenefits.vba.va.gov/vonapp/default.asp>. Applications and appropriate documentation should be completed at least 8-12 weeks prior to your semester starting date to ensure timely processing. Application materials completed by paper should be forwarded to the Regional Processing Office in Atlanta, Georgia. GI Bill checks (with the exception of Chapter 33 tuition payments) are sent directly to the student, not the University.

### *Application Procedures*

*New Applicants under Chapter 30 or 1606:* If you qualify for the Chapter 30 or 1606 educational benefit program and have never used it before, you must submit an original Application for VA Education Benefits to the VA. In addition, you will be required to provide one or more of the following documents:

- courthouse-certified (by the Court Recorder) copy #4 of DD214 (Chapter 30 applicants)
- signed copy of completed Notice of Basic Eligibility (NOBE) form, issued by Reserve/Guard unit (Chapter 1606 applicants)
- if eligible for a "kicker", copy of Kicker Contract.

*New Applicants under Chapter 33:* The same documents required of Chapter 30 applicants (see above) are required; Chapter 33 applicants must also select the appropriate Benefits Chapter on the application form, as well as acknowledge that they understand this is an irrevocable election.

*New Applicants under Chapter 35:* You will be required to submit an original application, and must supply the name, social security number, date of birth, and claim or service number of the veteran. If you have already established eligibility for Chapter 35, you must supply your claim number and a copy of your Certificate of Eligibility.

*New Applicants under Chapter 31:* Eligibility for Chapter 31, Veterans Vocational Rehabilitation, is determined by the Veterans Vocational Rehabilitation counselor. Once Chapter 31 benefits have been approved, the school will be sent an authorization form to complete. The student Bursar's Office will be notified for billing purposes, and the Bookstore will be notified that the student may purchase books.

*Transfer Students:* Students who have previously used the above benefits must complete a Change of School/Program form through the VA.

*Payment Methods*

- Regular Pay: check is sent to the student after each month is completed.
- Advance Pay: the student is paid in advance for the first partial and first full month of attendance (advance paychecks may be picked up at the Business Office at the beginning of the semester). Subsequent checks are sent after each month is completed.

Students should phone in their enrollment information, (877) 823-2378, and verify via website, [www.gibill.va.gov](http://www.gibill.va.gov), under subsection WAVE.

*Chapter 35, Educational Benefits for Spouses and Dependents of Veterans*

Survivors of deceased veterans, spouses of living veterans and children of either who are between 18 and 26 years of age may be eligible if the veteran's death or permanent/total disability was the result of service in the Armed Forces. Eligibility of spouses generally extends to 10 years from the date of death or establishment of total disability. In certain cases, the age limit for children may be extended.

For more information, contact Veterans Affairs at (888) 442-4551 or [www.gibill.va.gov](http://www.gibill.va.gov).

## IV. Student Affairs

Young people are surely your nation's greatest treasure. ... That is why they urgently need an all-round education which will enable them to reject cynicism and selfishness and grow into their full stature as informed, wise and morally responsible members of the community.

—Pope John Paul II, from his Welcome to U.S. Ambassador on September 13, 2001

### A Unique Community of Academics and Faith

Ave Maria University offers students the opportunity to be part of an academic environment that combines the pursuit of academic excellence with an emphasis on building a supportive, faith filled, close-knit community. The University's low student-to-faculty ratio enables instructors to give informed, personal guidance to their students and allows students to form friendships with each other. Students experience a balanced way of life, in which their decisions are informed by both faith and reason.

### Division of Student Affairs Mission Statement

Flowing directly from the institutional mission of Ave Maria University, the Division of Student Affairs serves to establish and promote a dynamic and purposeful student culture centered on the "formation of joyful, intentional followers of Jesus Christ through Word and Sacrament, scholarship, and service. This culture is hallmarked by key points found within the University Mission Statement. These hallmarks are:

- Greater lay witness in contemporary society
- Teaching, research and learning
- Advancing human culture
- Promotion of dialogue between faith and reason
- Formation of men and women
- Moral virtues of the Catholic faith
- Creating and maintaining an environment where faith informs life
- Faith taking expression in all programs

Each activity, service, program and department within the Division of Student Affairs is directly related to and finds its purpose from these facets of the University's mission. The Mission Statement is the guide and measure of interactions with students, staff, and faculty. The Division of Student Affairs will take an incarnational approach to our areas of responsibility in service to the students in order to support the work of the faculty in the classroom. We seek to collaborate with the faculty and senior administration in integrating a student's academic and co-curricular activities.

Our ultimate goal is the education of the whole person, in that we round out and augment the work that takes place in the classroom with real life and practical experiences. The encounters and events we plan and execute are vitally important in the complete learning process of which each Ave Maria University student is a part.

As a Catholic community of scholars, we understand that the ultimate aim of our lives is union with God. Our particular mission as a division within the University is embedded in this higher and deeper vocation. We therefore place the sacramental life of the Church at the very heart of our communal life and commit ourselves to doing everything possible to

deepen, strengthen, refine and increase the life of faith and the formation of the whole human person in the various initiatives that we take.

The Division of Student Affairs seeks to develop a rich and varied campus life program that incorporates various aspects including Student Life, Housing and Residence Life, Campus Security, Counseling Services, Career Planning, Campus Ministry and Mission Outreach, and Intramural Athletics.

## Office of Campus Ministry & Mission Outreach

The offices of Campus Ministry and Mission Outreach facilitate the spiritual life on campus by bringing together students, faculty, and staff for prayer, worship, service, and learning.

1. Our top priority is to enable students and staff to encounter Jesus Christ.
2. Campus Ministry plans to execute a comprehensive campus-wide schedule of Mass, Confessions, Spiritual Direction, Eucharistic Adoration, and other sacramental needs.
3. Mission Outreach coordinates faith formation events, Retreats, Alpha courses, Peer-Ministry, RCIA, Households, and student ministries.

Through these many services, Campus Ministry, Mission Outreach, and Student Life collaborate to help students integrate spiritual, academic, and personal growth. The Campus Ministers is a Catholic priests whose full-time responsibility is the pastoral care of the entire University community. He provides regular sacramental ministry and spiritual counseling, as well as help and support to students in times of crisis or guidance in making decisions. The Office of Campus Ministry promotes the building of a genuine Catholic community on campus through a ministry of Word and Sacrament.

### *Ave Maria University Policy on the Pastoral Care of Students*

As a Catholic institution and community, we at Ave Maria University are under the canonical authority and guidance of the Bishop of the Diocese of Venice in Florida. The persons presented to the Bishop for approval to serve in ministry and designated by the President of Ave Maria University to serve as leaders for the spiritual and pastoral needs of the students are the Director of Campus Ministry and his associates, and those who assist the Campus Ministry Office, in consultation with the Pastor of the Parish of Ave Maria.

### *Households*

A Household is a group of three or more male or female students who mutually support each other by spending time together in prayer and recreation. Households are not meant to divert students from their studies, friendships, or other personally fulfilling pursuits but rather are designed to help them flourish in these areas. It is through the congruent living of the four pillars that the households will be able to reach their goal of social, spiritual, academic, and moral excellence. If you are interested in joining a household, please contact the Office of Student Life.

## Office of Student Life

The Office of Student Life works closely with representation from the student body, including the Student Government Association, the Student Activities Board, Residence Hall staff and student organizations, to minister to the students' needs and offer programming that is balanced and faithful to the mission of the University. Student Life is committed to accompanying the students throughout their academic journey and to providing the students with opportunities for growth outside the classroom.

*Student Government Association (SGA)*

The Student Government Association is a student council comprised of an executive board and class representatives elected by their peers to represent the student body. The role of the Student Government Association is to take upon itself a special responsibility to uphold the proper balance of intellectual, spiritual, social and physical development of the student body, always guided and directed by the Magisterium of the Roman Catholic Church.

The Student Government Association is designed to listen to and address the needs of the student body. Students are encouraged to contact their elected representatives or the Office of Student Life to propose suggestions or ask questions.

*Student Organizations*

Student Organizations are vital to the social life on campus and serve the student body by bringing people of common interest together to pursue a common goal. A student organization is defined as a group of students joined in the pursuit of a common purpose, guided by an approved constitution under the direction of chosen or elected officers, advised by a faculty or staff member, and officially recognized by Ave Maria University through the Office of Student Life. Organizations are comprised of clubs, ministries, and households. Student Organizations can request funding from the Office of Student Life for activities.

Students are encouraged to take an active role in student organizations, since such activity contributes to their total education as a whole person and the educational goals of Ave Maria University. Correlative to that end, a student organization will not be recognized by Ave Maria University which is in conflict with the mission of the University. The Director of Student Life advises and oversees all student organizations.

In order for a student organization to be approved by Ave Maria University, the group must complete the following:

- Have at least five students interested in joining the organization.
- Write a constitution to be submitted to the Assistant Director of Student Life for review. A guide for writing student organization constitutions is available in the Office of Student Life.
- Have a faculty or staff member as its advisor. To ensure proper coordination and communication, the advisor must be consulted on plans for activities and must be informed of all matters of organizational business.
- Have elected or appointed student officials who coordinate the operations of the specific organization. The number of officials and roles of various positions will be outlined and explained in the constitution of the organization. A student is eligible for officer status if he or she:
  1. Maintains a GPA of 2.5 or above.
  2. Is not on disciplinary or academic probation.
  3. Is not engaged in any activity deemed to be inimical to the best interests of Ave Maria University.

**Study Abroad Program**

Ave Maria University offers study abroad programs in both the Fall and the Spring semesters. The Office of Student Affairs facilitates the admission process for the program, in conjunction with the Office of Academic Affairs. Students are given the opportunity to apply for admission into the program for one semester beginning their sophomore year. Participation in this program must be approved by the student's faculty advisor and may be difficult to combine with the requirements of certain majors. An Ave Maria University faculty member will offer up to two core courses in each study abroad location and students are permitted to take up to two other courses via directed study with an AMU instructor. Courses taught by external study abroad instructors or programs will not count toward core requirements and must be evaluated for transferring as elective or major requirements beforehand. Students must also meet with financial aid for prior approval.

There is an additional fee for the programs that is applied to the student's tuition along with the cost of their regular full time attendance. Further personal expenses include transportation, spending money, and travel expenses. To be eligible for the study abroad program, students must have spent at least one semester at Ave Maria University, have a 2.0 cumulative GPA, and cannot be on disciplinary probation. A period of one semester must take place without a major infraction for those who have been on disciplinary probation before applying. For more information or to apply to participate in this unique experience, please contact the Office of Student Affairs.

## Intramural Sports

Intramural Sports are vital to building community on campus as well as helping the student maintain balance and fitness in their lives. For more information, please contact the Director of Intramural Athletics, at (239) 280-1675 or via email at [Curtis.Allen@avemaria.edu](mailto:Curtis.Allen@avemaria.edu).

### *Academic Eligibility Requirement*

All students on academic probation, in order to be eligible to participate in Intramural Athletics, must meet with Academic Support Personnel regularly until such time as they are no longer on probation. The decision to meet regularly with academic support personnel is totally voluntary, but students choosing not to participate will be ineligible from Intramural Athletics until grades are improved beyond probationary levels.

## Intercollegiate Athletics

Ave Maria University sponsors the following intercollegiate athletic teams: men's baseball, men's basketball, men's cross country, men's football, men's golf, men's soccer, men's tennis, women's basketball, women's cross country, women's golf, women's lacrosse, women's soccer, women's softball, women's tennis, and women's volleyball. Intercollegiate competition takes place largely through the Sun Conference of the National Association of Intercollegiate Athletics (NAIA). Rugby, Ultimate Frisbee, Cheer, and Equestrian are sponsored club sports housed under the Department of Athletics. Please contact the Office of Athletics for further information ([www.avemariagyrenes.com](http://www.avemariagyrenes.com)).

## Mother Teresa Project (MTP)

The goal of the Mother Teresa Project is to change the culture on campus to one which is imbued with a love for service. The MTP Scholar program is designed for those students who wish to take advantage of all the Mother Teresa Project at Ave Maria University has to offer. The Scholars Program offers a program of study and spiritual formation centered on Mother Teresa's distinctive spirituality and service. This program offers a coordinated program of study and service for students to deepen their knowledge of her life and imitate her virtues. The program of study consists of reading a collection of seminal works on Mother Teresa's life, and attending lectures and retreats. The program of service consists of local service opportunities, usually served in small increments of time, and also immersion service experiences, both international and domestic.

The Mother Teresa Scholar Program is designed to allow students to earn the designation of Mother Teresa Scholar as long as the student is in good academic standing, and:

- Successfully completes the formation program;
- Volunteers locally approved programs; and
- Makes one volunteer mission trip to a site in the US or abroad.



## Residential Life

Residence Life is a key part of the overall education at Ave Maria University. It provides a rare and wonderful opportunity to develop life-long friendships and enjoy company and surroundings that support and encourage students in their faith and vocation. The over-arching principle governing life in the residence halls is courtesy toward others. This means that students behave in a way that reflects awareness of, and thoughtfulness toward, others with whom they live. The residence halls should be places where students can flourish in their vocation, places characterized by an atmosphere that mingles warm, free-flowing friendship with religious devotion and intellectual seriousness.

### *Residence Directors*

RDs are professional staff members responsible for the residence hall to which they are assigned. They ensure respect and responsibility among residents, oversee the physical condition of the buildings, support community programs, and supervise the Resident Assistants. RDs live in apartments on the first floor of their residence halls and hold office hours in their hall office during weekday. The Residence Life Staff is concerned about every person's rights and well-being. They are trained to be of assistance to all students and to handle emergency situations. If you have any questions, problems or concerns, or if you just want to talk, you should seek out a staff member. An RD is on-call 24 hours a day at (239) 280--7344.

### *Resident Assistants*

RAs are undergraduate resident students who have attended Ave Maria University for at least one year and have an understanding of leadership, community building, campus resources, and the University's mission.

### *Residency Requirement*

The Board of Trustees of Ave Maria University has created a residency requirement for all undergraduate students unless they are married, over the age of 23, or living with parents within a commutable distance of 45 miles. In extreme circumstances, the Student Affairs Committee may approve an exception to the residential policy. Students in such circumstances should contact the Office of Residence Life.

### *Visitors*

Students must register overnight guests with their RD or the RD on-call 24 hours prior to the guest's arrival and must obtain permission from their roommate(s) before a guest is permitted to stay in their room. Rooms and apartments should not exceed a safe and manageable occupancy that may be determined by the University. No guests are permitted during finals week. Guests must be escorted while in the building. Ave Maria students are expected to take responsibility for their guests' behavior at all times. All guests are expected to be knowledgeable about and abide by University regulations. At the discretion of any University official, a guest may be denied admission or removed from University housing, facilities, and grounds at any time. Failure to register a guest may result in denial of admission to the guest and a monetary fine to the student host.

### *Dining*

Ave Maria University holds community meals in the highest regard. Enjoying meals with other students and faculty members builds and forms a deeper sense of community. All resident students are required to participate in the meal plan. Students may choose one of two following meal plans:

1. 19 meals per week to be used in the cafeteria (3 per day Monday-Friday and 2 per day Saturday-Sunday) and 100 "AMU points" (50 per semester).
2. 14 meals per week in the cafeteria and 300 points (150 per semester).

AMU Points can be used with a student ID Card in the University cafeteria, the *Gyrene café*, the *Avecado restaurant*, the *Pub and Grill of Ave Maria*, and *Tropical Smoothie Cafe*. One AMU Point = \$1.00. AMU Points cannot be used for the purchase of alcoholic products. All AMU Point balances are lost at the end of each semester; under a "Use Them or Lose

Them” policy. Additional AMU Points may be purchased through Self Service or by visiting the Business Office located on the 3<sup>rd</sup> floor of the library. Please see the Food Service Director for details.

## Student Complaint Policy and Procedure

The Ave Maria University Student Complaint Policy is designed to assist students in resolving complaints regarding a violation, interpretation, or application of a University policy or procedure. Ave Maria University is committed to maintaining a learning environment which promotes student academic excellence and personal development. To facilitate this learning environment, the University provides informal and formal processes to resolve complaints. Please note that the University maintains a separate set of procedures to address complaints related to alleged violations or issues involving discrimination, harassment, Title IX, the Honor Code, and the Code of Student Conduct, as detailed below under “Exclusions.”

### *Informal Process*

The student should first attempt to resolve complaints informally by requesting the opportunity to meet with the staff or faculty member who is alleged to have caused the complaint. If the complaint cannot be resolved at this level, then the student is encouraged to continue to pursue informal resolution by presenting the complaint orally or through email correspondence through appropriate administrative channels up to the Office of the Vice President in whose area the complaint originated. If an informal resolution cannot be reached, then the student may initiate the formal complaint process.

### *Formal Process*

A complaint must be filed in a timely fashion. Formal written complaints must involve a specific event or incident occurring within thirty (30) days of filing. The student should attempt resolution of the matter in the Informal Process before filing a formal written complaint. University officials shall make reasonable efforts to respond to complaints within fifteen (15) business days of when initially submitted. Formal complaints must:

1. Be in writing and must be dated and signed by the student making the complaint.
2. Clearly identify the department(s) and issue(s) involved.
3. Indicate (and describe as appropriate) how the student has attempted to resolve the issue with the involved staff/faculty member prior to the submission of the formal complaint.

### *Formal Complaint Procedure*

The formal written complaint should be submitted to the appropriate Vice President:

- the Vice President for Academic Affairs (for complaints regarding grading, classroom issues, advising, and similar academic matters);
- the Vice President for Student Affairs (for complaints regarding residential life, athletics, food services, security, and similar student life issues); or
- the Vice President for Enrollment Management (for complaints regarding admissions, financial aid, bursar, registrar, and facilities).

Complaints in areas not clearly under the administration of a particular Vice President should be directed to the Vice President for Student Affairs.

After receiving the complaint, the Vice President shall attempt to respond to and resolve the complaint. The Vice President may, at his or her discretion, also choose to initiate the following process:

1. The Vice President may route the complaint to the director/chair of the appropriate department where the issue originated or to an ad hoc committee of faculty or staff established for this purpose. The director/chair or committee shall review the complaint and investigate the issues identified.
2. Upon completion of its review, the director/chair or committee shall provide the student with a written response to the complaint.

3. If the student feels the response provided by the director/chair or committee does not address the complaint properly, the student may appeal the decision to the Vice President. Such appeal must be made within five (5) business days of the receipt of the decision of the director/chair or committee.
4. Upon receipt of the appeal request, the Vice President shall review the institutional decision and the student's appeal request. The Vice President then shall either render a decision or elect to convene an ad hoc appeals committee consisting of the Vice President and other University faculty and/or administrators. If constituted, the committee shall investigate the issue and render a decision on the complaint appeal. In either case, the decision is final and shall be reported to the student in writing.

However the complaint is resolved (i.e., whether by director/chair, by committee, or the Vice President), documentation of the resolution of the formal complaint shall be maintained by the Vice President for Student Affairs.

### *Complaints to Outside Agencies*

If the formal complaint has not been satisfactorily resolved by the University, students may file a complaint with the following agencies:

- For complaints pertaining to AMU's compliance with academic program quality and accrediting standards, students may contact the Southern Association of Colleges and Schools Commission on Colleges, 1866 Southern Lane, Decatur, GA 30033-4097.
- Distance Education students who have completed the internal institutional grievance process and the applicable state grievance process may appeal non-instructional complaints to the FL-SARA PRDEC Council. For additional information on the complaint process, please visit the FL-SARA Complaint Process page, <http://www.fldoe.org/sara/complaint-process.shtml>.
- For all other complaints, students may contact the Florida Department of Education. More information for this process may be found at <http://www.fldoe.org/policy/cie/file-a-complaint.shtml>.
  1. To file a complaint, send a letter to Commission for Independent Education, 325 W. Gaines Street, Suite 1414, Tallahassee, FL 32399-0400
  2. The letter should include:
    - a. Name of Student (or Complainant)
    - b. Complainant Address
    - c. Phone Number
    - d. Name of Institution
    - e. Location of the Institution (City)
    - f. Dates of Attendance
    - g. A full description of the problem and any other documentation that will support your claim such as enrollment agreements, correspondence, etc.
    - h. The complaint process of the Commission involves contacting the institution to obtain their response to your complaint. If you do not want the Commission to contact the institution you are attending, you must state so in your complaint; however, doing so will greatly hinder the Commission's ability to assist you with your complaint.

### *Exclusions*

Ave Maria University maintains a separate set of procedures to address complaints related to alleged violations or issues involving discrimination, harassment, Title IX, the Honor Code, and the Code of Student Conduct. Complaints, appeals or grievances pertaining to the following matters shall not be processed under this policy, but shall be processed as described in their respective policies:

1. Disciplinary actions taken under the Ave Maria University Academic Honor Code.
2. Disciplinary actions taken under the Ave Maria University Code of Student Conduct.

3. Complaints involving allegations of discrimination, harassment, or violations of Title IX (see the complaint/grievance sections of the Sexual Harassment, Sexual Misconduct and/or Sexual Assault policies for more information). Students should contact the Office of Student Affairs or the Title IX Coordinator for assistance in resolving any discrimination or harassment issue.

## Parental Communication with the Division of Student Affairs

The Division of Student Affairs encourages open communication between students, parents, and the University. The University encourages students to contact their parents/guardians regularly and keep them up-to-date with what is happening in their lives.

The Division of Student Affairs assumes that students, as maturing adults, are able to attend to their affairs without parental intervention. Normally, the Division of Student Affairs will not initiate contact with parents unless the student's status with the University is seriously threatened for health or disciplinary reasons, in which case the University will initiate contact with parents or guardians in person, over the phone, or in writing. The University will follow the Family Educational Rights and Privacy Act regulations. (For more details on FERPA, please visit <http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>.)

## Career Services

The Office of Career Services assists students to make career decisions, choose majors, plan internships, prepare resumes and cover letters, and learn effective interviewing skills and methods to follow up with letters or phone calls. These services are for all students and alumni. Students can make arrangements to take online career assessment tests and review results with a Career Counselor. You may contact a Career Counselor by calling (239) 304-7228 or via email at [careerservices@avemaria.edu](mailto:careerservices@avemaria.edu). The Career Services web page offers career development and employment resources located at [www.careerservices.avemaria.edu](http://www.careerservices.avemaria.edu).

## Counseling Services

Clinical counseling services are available without cost as a student resource to support academic achievement and enhance the overall university experience. Our goal in the Counseling Services Office is to encourage the full intellectual, emotional, social, and spiritual development of students as they seek to effectively engage the opportunities, demands, and challenges of higher education. The office's clinical staff consists of licensed mental health professionals with vast experience in working with the college student population. Referrals to off-campus providers may be offered, if necessary, to meet students' needs. All services are provided under strict confidentiality guidelines consistent with state law. The Counseling Services Office is located in the Student Union and is open from 9:00 a.m. to 5:00 p.m., Monday through Friday. For further information visit [www.avemaria.edu/student-services/counseling-services](http://www.avemaria.edu/student-services/counseling-services).

## Office of Campus Security

The Department of Campus Security at Ave Maria University exists to assure a safe educational environment for the students, staff, faculty, and visitors who make up our campus community. AMU Security provides professional direction and support in matters of physical security, safety, fire prevention, emergency response, and investigation into violations of both university policy and the law. AMU Campus Security may investigate behavior, activity, or obstructions to the investigative process that pose a threat to the safety and welfare of the University, and document its findings in a report to AMU administration.

Students are expected to cooperate with all staff and faculty members acting in the performance of their duties. Students are expected to have their student identification cards on their person at all times while on campus and present them at the request of any University staff member, to include Security Officers.

## Access to Residence Halls and Other Campus Facilities

The campus grounds and University facilities are private property and the presence of any person on campus is at the pleasure of the University. It is the University's expectation that visitors abide by University rules. The general public is welcome to enjoy the grounds and common spaces of the Ave Maria Campus and to attend and participate in certain events, lectures and activities made available to the general public. Minors must be accompanied by an adult at all times while on University property. The University residence halls are not open to the general public; guests of students may be admitted to the hall in accordance with the University's Residence Life Guest Policy. Residential halls are locked 24/7, while other buildings open during operating hours.

Use of the University Library by the public is limited in accordance with its policies. Visitors may not dine in the cafeteria or use university athletic or other facilities unless a guest of, and accompanied by, a member of the University community. Visitors may dine in the Cafe. Visitors may use the Mailroom unless otherwise noted by Mailroom Staff. Additional fees may apply to those not affiliated with the university.

## Alcohol and Drug Policy

Students are prohibited from using, possessing, manufacturing, or transporting narcotics or any type of illegal drugs. Students 21 years of age and older may have alcohol in their rooms; however, alcoholic beverages may not be displayed or consumed in any common or public area of the University property or at University events without the explicit permission from Residence Life or Student Life. Ave Maria University recognizes its duty to uphold the laws of the State of Florida. Students are reminded that violations of state and federal laws may be filed as misdemeanors or felonies. Any violations of the law or this policy will be reported to the appropriate law enforcement agency and student judicial council. Ave Maria University does recognize that alcohol and drug dependence is an illness, and University officials may make treatment recommendations in lieu of or in addition to any imposed sanctions. Students may be required to submit to a drug test if evidence of probable drug use exists.

## Emergencies

Campus emergencies should be reported directly to the 911 emergency telephone system. After contacting 911, University Security should be contacted to help coordinate emergency services response and to document the event. Examples of an emergency would be a serious medical situation or a serious crime in progress. You should always dial 911 first, then call University Security at (239) 280-6289. The Director of Campus Security and the Director of Residence Life and Housing, along with the Residence Hall Directors, are responsible for organizing and fully informing residents about emergency procedures, including fire drills, hurricane response, tornado response, flooding, etc.

### *Medical Emergencies*

In case of a medical emergency on campus, call 911 for Emergency Medical Services (EMS), and then notify your Residence Director (RD), Residence Assistant (RA), or Security Officer (SO). EMS personnel will make the determination to transport to a medical facility, if necessary. It is the student's responsibility for all and any insurance documentation.

### *Non-Emergencies*

Non-emergencies on campus can be resolved by calling the Campus Security Officer at (239) 280-6289. This person can answer most question or concerns related to security, safety, wildlife, or building access. All emergencies should be reported to 911.

### *Prescription Drugs*

A student on prescription drugs or who has a chronic illness should inform the RD what may need to be done in an emergency, and what effects the medication may have on the student's life.

## Enforcement

AMU Security personnel are authorized and directed to enforce all University security, safety, motor vehicle, traffic, and parking policies. Some examples of prohibited conduct include (but are not limited to):

- Possession of any type of weapon
- Sale or possession of illegal substances or drug paraphernalia
- Propping exterior doors
- Tampering with safety or security equipment
- Feeding of or interacting with wild animals
- Recreational use of the bridge and canals (no swimming or fishing off bridges)
- Behavior disrespectful to quiet and/or sacred spaces on campus

Failure to comply with the direction of Security personnel acting in the performance of their duties is a violation of University regulations. Campus Security may require any person on campus, including an owner, operator, or passenger of a motor vehicle to produce identification. Refusal to identify oneself is a serious violation of University regulations and may result in disciplinary action and/or notification to the Collier County Sheriff's Office.

## Fire Safety Equipment

Tampering with fire safety equipment is against the law and a violation of Ave Maria University policy. Tampering with fire and safety equipment is strictly prohibited, as use of these items is only authorized in case of an emergency. Safety equipment includes, but is not limited to: smoke alarms and fire detection equipment, fire alarm pull stations, fire extinguishers, automatic external defibrillators (AED's), and mechanisms to secure doors.

## Parking Policy

The Department of Campus Security is authorized and directed to enforce all security, safety, motor vehicle, traffic, and parking regulations on AMU property to ensure safety and security. All vehicles are required to register for and display a current and valid university-issued parking permit. Vehicle registration is conducted online at the link listed below. Vehicles must park in approved parking spaces, and may not block or otherwise prohibit vehicle or foot traffic. The pavers are reserved for emergency and service vehicles only, unless prior approval is granted by the Department of Campus Security. Failure to comply with the parking policy may result in sanctions, which may include a fine, revocation of parking privileges, and/or towing of a vehicle at the owner's expense. The full parking policy can be found at [www.avemaria.edu/parking](http://www.avemaria.edu/parking).

## Reporting Criminal Activity

Campus Security can be reached daily 24/7 by dialing (239) 280-6289 to report suspicious activity. Campus Security will respond to, as well as contact the appropriate agencies as needed.

As always, in the event of an emergency, Law Enforcement, Fire, and Emergency Medical Services (EMS) may be contacted by dialing 911. All emergency services are provided by Collier County.

All members of Ave Maria University community are encouraged to report all incidents of criminal activity and suspicious persons to Campus Security or to the Collier County Sheriff's Office (CCSO). Reports can be made by phone, in person, or via the Security website at <http://www.avemaria.edu/CampusLife/StudentServices/CampusSafety/AnonymousReport.aspx>.

## Sexual Assault

If you have been sexually assaulted, contact the Collier County Sheriff's Department immediately by dialing 911. Victims can go to the NCH North Collier Hospital Emergency Room for treatment, 11190 Health Park Blvd., Naples, FL 34110; (239) 552-7000; [www.nchmd.org](http://www.nchmd.org).

Persons who have been sexually assaulted or were the subject of any sex offense should immediately contact the Collier County Sheriff's Department by dialing 911 and University Security at (239) 280-6289 to initiate a crime report. Students may also contact the Vice President for Student Affairs at (239) 280-2484, the Director of Residence Life at (239) 280-2542 or Counseling Services at (239) 304-7372 for information and assistance regarding the filing of a criminal complaint or to initiate a complaint under the procedures set forth in this Handbook.

The preservation of criminal evidence is essential to the successful prosecution of a sex offense. The Collier County Sheriff's Department will provide personnel who are trained in the proper handling, identification, collection, and preservation of such evidence. Therefore, it is essential that in cases of sexual assault, the Collier County Sheriff's Department and University Security be contacted as soon as possible. Ave Maria University counseling members are available to assist and accompany the victim of a sex offense from the initial report to the final resolution of the case. Victim information will be kept at the highest level of privacy.

Ave Maria University students and employees suspected of committing a sex offense of any kind are subject to criminal prosecution as well as disciplinary action under campus policies and procedures. Campus disciplinary action may take place even if criminal charges are not filed. Following the final determination of a campus disciplinary procedure regarding an allegation of sexual criminal conduct, sanctions may be imposed that include, but are not limited to, suspension or dismissal of offending student(s) and censure, demotion, suspension, or termination of employment of an offending Ave Maria University employee(s).

In addition to criminal prosecution, complaints against students accused of sexual battery, attempted rape, rape or other sex offenses will be processed in accordance with the procedures in the Handbook. The accuser and the accused are entitled to the same opportunities to have others present during a campus disciplinary hearing; both shall be informed of the outcome of any campus disciplinary proceeding brought forth alleging a sex offense. Student sexual assault victims also have the option of changing their academic or on-campus living arrangements after an alleged sexual assault, if such changes are reasonably available.



## V. Philosophy of the Curriculum

By means of a kind of universal humanism a Catholic University is completely dedicated to the research of all aspects of truth in their essential connection with the supreme Truth, who is God.

—Pope Saint John Paul II, *Ex Corde Ecclesiae*

### Unity of All Truth

Any university worthy of the name is committed to searching for truth and, as far as possible, to finding it. Moreover, it is obliged to pass on the great deposit of truth discovered and confirmed by succeeding generations. But a university must not limit itself to one region of truth to the exclusion of others; it is open to all truth. Blessed John Henry Newman has explained in a masterful way how the professors and students of a university grow into this unity of truth. They do not just accumulate truths, learning one after another, but they see these truths in relation to each other so that they illuminate each other and reality. Professors lead their students in developing a sense of the unity of knowledge, so that they never forget the whole when they study the parts. In this way, as Newman writes, they do not just enlarge their learning, but they begin to grow in the wisdom that “discerns the whole in each part, the end in each beginning . . . because it [wisdom] always knows where it is, and how its path lies from one point to another.”

This unity of all knowledge is ultimately rooted in the order of God and creation, an order that possesses a hierarchical structure: God, the Blessed Trinity and, emanating from Him, the various levels of creatures. Not only, then, is there a vast unity to all creation, which, in turn, accounts for the unity of all forms of knowledge, but there is a natural order of priority in these forms of knowledge. Since its founding, the University deliberately selected the liberal arts as the center of its curriculum because of their focus on what is primary. Building upon the liberal arts, the University adds further disciplines and, thus, further majors in an organic way that reflects the order of God and creation.

This principle of the unity of knowledge shapes the curriculum at Ave Maria University as it introduces our students to the main areas of knowledge. They study theology as faith seeking understanding, which includes Revelation, dogmatics, morals, and Church history. They study philosophy, confident in the capacity of reason to come to the truth about absolute and contingent being. They read great literature, which embodies truth about man’s life within God’s creation through incarnate forms true to the variety of human experience. Through the study of history, students are freed from the narrow lens of the present and come to see the meaning of past events in the light of the Incarnation. The study of classical languages embodies contemporary unity with the Church Fathers and the fundamental sources of the Faith; through all language study students become aware of the principles of the structure and function of language. They are introduced to the rigors of the scientific method and quantitative analysis which delineate the physical structures of creation, with due attention to the ethical implications of scientific research. Their artistic sensibilities are refined so that they may appreciate beauty in all its forms as a hallmark of the transcendent and of a truly human life. Among the fine arts, music has pride of place at Ave Maria University because it is most intimately joined to the Holy Sacrifice of the Mass. Social sciences are conducted in the light of the truths of philosophy, theology, and the natural sciences, for they teach much about man’s temporal development and have crucial implications for issues of social justice. Our curriculum presents these disciplines, not in isolation, but in such a way that each throws new light on the other.

We aim not only at human wisdom, but also at Christian wisdom. In presenting the Christian faith, we take care to follow the directions of the Pope Saint John Paul II: “The very heart of theological enquiry will thus be the contemplation of the mystery of the Triune God . . . [It is] Christ the Lord [who] ‘in revealing the mystery of the Father and his love fully reveals man to

himself and makes clear his supreme calling' which is to share in the divine mystery of the life of the Trinity" (*Fides et Ratio* 93, 13; *Dei Verbum* 2). The Christian faith is presented in relation to other truths so that faith interprets them and is at the same time interpreted by them. We want to enable our students to make Christian sense out of what they learn in their natural science courses, in their social science courses, in their study of art and literature, of history and philosophy and languages. This does not mean that the Christian faith should interfere with or overrule the methods proper to the different disciplines, or that it should make us unwilling to accept the contributions made by non-Christians; it means that these disciplines, while being entirely respected according to their proper autonomy are, as the nature of each allows, seen in relation to Christian revelation. And in the encounter with human knowledge, faith not only gives but also receives; our students find that their faith becomes "embodied" in such a way as to be deepened and enriched.

This unity of faith and human knowledge is what we mean by Christian humanism, and we declare it to be one of the first principles of the curriculum. We commit ourselves to all that John Paul II says about Christian humanism in *Ex Corde Ecclesiae*.

## Intellectual Virtues

Our curriculum also aims at developing in our students certain habits of mind that are connatural to the universal openness to all truth to which we are committed. Indeed, the proper concern of the curriculum is with intellectual virtue, which is intimately bound with moral virtue.

Thus, the curriculum educates our students to recognize the central issue in a discussion, and to distinguish it from other issues that are related to it only by association but not in an intrinsic way. We want to enable our students to develop a sense of proportion with regard to truth, and to know how to discern first principles. When they listen to a speaker, they should not be so dazzled by rhetorical flourish that they fail to demand intellectual substance. They should mature intellectually in such a way as never to grow old intellectually, that is, never to reach a point where they are unable or unwilling to understand what another is saying, or to learn something new, or to do justice to challenging questions put to them about their convictions. They should also recognize issues that are beyond them, on which they are unable to have any informed judgment.

We judge that these intellectual habits also give our students a unique resourcefulness in facing life, so that they do not need a specially protected environment to thrive; their intellectual formation gives them an adaptability that is expressed in rising to the most unexpected challenges. It also prepares them for assuming positions of leadership in the Church and the world.

We affirm that nothing is as important for developing in our students a spirit of just judgment as professors who themselves practice just and balanced judgment in their teaching, writing, and professional practice, and who guide and accompany students' extended encounter with the truths in the Classics of Western civilization.

Our students' exposure to exemplary teachers and to canonical authors will not be passive. Students must receive and appropriate what they see being lived by their mentors and what they see in their past masters. This they do in a particular way in the activities of writing and speaking. Our curriculum places a high premium on students learning to express clear thought eloquently. They must also learn the art of positive and respectful questioning of their current teachers and their past masters, for education does not mean simply understanding and accepting as true what past or present teachers have said.

In accordance with our Catholic heritage, these intellectual virtues are fostered at Ave Maria University together with the moral and religious virtues, that is, together with love of truth and reverence for God and respect for all persons, including those with whom we disagree. Here, too, we aim at the fullest possible integration. Although the University as a whole must be concerned with more, as already stated, the curriculum as such is concerned with the intellectual virtues; if it does not foster these, it is a failure. We resist confounding intellectual and moral excellence, and we know well, as Blessed Newman insisted, that one does not necessarily follow upon the other.

## The Major

Important as general liberal arts education is, it is not enough; without the special concentration of study, which we call the major program, something important would be missing in the education of our students. Our students should learn to unite their broad studies in the liberal arts with the more specialized studies in their major discipline. The work in the major is done within the unity of all knowledge, and so it is protected from a narrowing spirit of specialization. Yet our goal is to open all disciplines to the light of the Gospel and reorient them as its truth demands while respecting the proper autonomy of each discipline.

## The University and the Wider Culture

We resist the temptation to be “relevant” in a shortsighted way. We teach many important subjects that are often perceived not to have immediate applicability to pressing social issues. It is our conviction that the development of the intellectual and moral virtues and the learning of the history of ideas as an avenue for understanding reality are the best preparation for responding to current problems. Class lectures, discussions, and written assignments provide some opportunity for students to bring their learning to bear on contemporary issues. We believe that this is what Pope John Paul II means in *Ex Corde Ecclesiae* when he speaks about the unique contribution the Catholic university—precisely as Catholic and as university—can make to the Church’s work of evangelization.

One way of serving the larger society would be to provide at the appropriate time in the University’s development various kinds of professional education. The addition of such programs would flow naturally from the University’s liberal arts Core, and be developed in sympathy to its first principles. The curriculum should facilitate the education of fully competent professionals who at the same time remain full human beings, never losing their sense of unity of all knowledge, and above all never losing their sense of the ethical dimensions of human activity.

These are the principles on which the curriculum is built; on these principles it will continue to be developed. We, therefore, invoke Our Lady after whom the University is named and to whom it is dedicated:

*May Mary, Seat of Wisdom, be a sure haven for all who devote their lives to the search for wisdom. May their journey into wisdom, sure and final goal of all true knowing, be freed of every hindrance by the intercession of the one who, in giving birth to the Truth and treasuring it in her heart, has shared it forever with the world (Fides et Ratio, 108).*

Approved by the Faculty, July 1, 2003.

## VI. Undergraduate Degree Programs

Education is integral to the mission of the Church to proclaim the Good News. First and foremost every Catholic educational institution is a place to encounter the living God who in Jesus Christ reveals his transforming love and truth (cf. Spe Salvi, 4). This relationship elicits a desire to grow in the knowledge and understanding of Christ and his teaching. In this way those who meet him are drawn by the very power of the Gospel to lead a new life characterized by all that is beautiful, good, and true; a life of Christian witness nurtured and strengthened within the community of our Lord's disciples, the Church.

—Pope Benedict XVI, Meeting with Catholic Educators, Washington, DC, April 2008

### The Undergraduate Curriculum

True learning requires engagement with the ideas of the great thinkers, artists, and scientists of the past and present. True learning also requires time to reflect upon and assimilate these ideas. Ave Maria University students not only cover a great range of material, they also learn it deeply. Students normally enroll in four classes per semester, allowing in-depth study and discussion of course material. As part of their education, students are expected to go the extra mile outside of class—guided by their professors.

The curriculum allows students to develop in a broad variety of ways. Whether in the classroom, the research lab, the library, the chapel, or the playing field, students are challenged to manifest the virtues of a well-formed mind. Students come forth from Ave Maria with the skills and habits that make them leaders in their chosen fields. This program teaches students to think critically, solve problems and communicate effectively—skills demanded for effective leadership and evangelization in the modern world.

### Degree Awarding Authorization

Ave Maria University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, master's, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, telephone 404- 679-4500, <http://www.sacs.org>, for questions about the accreditation of Ave Maria University

The undergraduate program in elementary education is approved by the Department of Education of the State of Florida.

Ave Maria University is approved by the Florida Board of Nursing to offer the B.S.N. degree.

### The Core Curriculum

In an age when many colleges and universities simply offer distribution requirements that reflect the contemporary fragmentation of learning, Ave Maria University is deservedly proud of its Core Curriculum. The Core offers guidance to our students by requiring them to take specific courses in the great tradition of the liberal arts. In these carefully selected courses, our students share together in the discovery of truth and acquire the indispensable foundation for a lifetime of learning. Moreover, since the Core Curriculum comprises almost half of the overall education, the students not only achieve breadth of knowledge, but also depth of knowledge. Since each discipline views reality from its distinct perspective, students

encounter the truth about God and His creation more completely through the dynamic interplay of all of the liberal arts including theology and natural science.

## Student Learning Goals and Outcomes for the Core Curriculum of the Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Nursing

Goal 1: Students will demonstrate knowledge of the broad Western and Catholic intellectual traditions.

- Outcome 1: Students will demonstrate theological understanding of the Blessed Trinity and the orders of creation and redemption, in particular of the truths about these realities expressed in the articles of the Apostles' Creed as authoritatively interpreted by the Catholic Church.
- Outcome 2: Students will demonstrate knowledge of some central philosophers and philosophical traditions that have informed Western Civilization.
- Outcome 3: Students will demonstrate knowledge of major events, ideas, and cultures in the formation of Western Civilization.
- Outcome 4: Students will demonstrate knowledge of the governmental, political, and societal structures of the United States.

Goal 2: Students will demonstrate the following skills in communication and scientific reasoning.

- Outcome 5: Students will demonstrate the ability to translate sentences from a foreign language and analyze their syntactical structure.
- Outcome 6: Students will demonstrate skills in written argumentation under the aspects of (1) Invention, (2) Organization, and (3) Style.
- Outcome 7: Students will demonstrate skills in oral presentation.
- Outcome 8: Students will demonstrate skills in performing mathematical operations and solving equations.
- Outcome 9: Students will demonstrate skills of careful scientific observation and experimentation including (1) Hypothesis formation, (2) Recognition of dependent and independent variables, (3) Development of control experiments, (4) Data recording, (5) Proper experimental design including data analysis, and (6) Ability to build on possible experimental results.

Goal 3: Students will demonstrate the fundamental habits of integrating "religious and moral principles with their academic study and non-academic activities, thus integrating faith with life" (*Ex Corde Ecclesiae*).

- Outcome 10: Students will evidence commitment to the spiritual and moral aims of the Catholic mission of the University including (1) participation in the sacramental life of the Church, and (2) volunteer service.
- Outcome 11: Students will demonstrate pursuit of professional excellence and responsible leadership and citizenship.

## The Core Curriculum at Ave Maria University

The Core Curriculum includes 14 courses or 56 credits out of the total 128 credits required for the B.A., B.S., and B.S.N. degrees. The Core Curriculum at Ave Maria University is integrated and ordered in the following manner throughout the student's four-year undergraduate program. Note that the some majors follow an alternate sequence as described in their Typical Plans.

*First Semester*

MATH 110 College Algebra, or MATH 150 Functions, or MATH 151 Calculus I

COMP 101 Composition

CORE 101 Western Civilization and Culture I

Foreign Language I (at the Elementary level)

*Second Semester*

THEO 105 Sacred Scripture

CORE 102 Western Civilization and Culture II

Foreign Language II (at the Intermediate level)

*Third Semester*

THEO 205 Sacred Doctrine

PHIL 205 Nature and Person

Natural Science I (with laboratory)

*Fourth Semester*

POLT 203 American Civilization

PHIL 206 Ethics

Natural Science II (with laboratory)

*Junior or Senior Year*

THEO 400 Living in Christ: Moral Theology, or THEO 305 Moral Theology (for theology majors), or THEO 315 Catholic Social Teaching (for economics and some business-related majors), or THEO 390 Catholic Bioethics (for nursing and some science majors). Please consult the four-year plan for each major.

In order to ensure the integrity of the Core Curriculum program, students at Ave Maria University must complete all Core requirements with courses offered by Ave Maria University with the exception of courses taken prior to matriculation at the University. Any exceptions to this policy must be approved by the Dean of Faculty.

## Course Descriptions for Core Courses

### COMP 101 COMPOSITION

Composition 101 invites students to join the academic conversation by writing essays at the collegiate level. This course promotes clear argumentation through the development of language, reasoning, and research skills. Students will engage actively with challenging texts and encounter the liberal arts tradition of grammar, logic, and rhetoric. (4 credits)

### CORE 101 WESTERN CIVILIZATION AND CULTURE I

This course guides students through the cultural achievements of Western Civilization from the ancients to the Reformation. In examining the Western and Christian traditions, students acquire cultural literacy as they seek to answer the perennial question: Who am I? The high achievements of Greek, Roman, Medieval, and Renaissance philosophy, literature and art introduced to encourage students to grapple with what it means to be a member of Western Civilization. (4 credits)

### CORE 102 WESTERN CIVILIZATION AND CULTURE II

This course guides students through the literary, philosophical, and historical achievements of Western Civilization from the Scientific Revolution to the present. In examining the Western and Christian traditions, students acquire cultural literacy as



they seek to answer the perennial question: Who am I? The creation of modern science and philosophy, as well as the development of art and literature, will be introduced to encourage students to grapple with what it means to be a member of Western Civilization. (4 credits)

#### PHIL 205 NATURE AND PERSON

Students are introduced to the goals, methods, and principal doctrines of philosophy by studying writings from some of the most significant ancient, medieval, and modern philosophers; and by beginning to reflect philosophically on their teachings on nature, man, and God. While focusing especially on man as microcosm of being and person as 'that which is most perfect in all of nature', this course considers such topics as the principles of nature, including substance and accident, the four causes, and soul; the difference between body and soul and their unity in human persons; the principal powers within and immortality of the human soul; philosophical accounts of the nature of God; and the meaning and destiny of man, including his relation to God. Authors studied include Plato, Aristotle, Augustine, and Aquinas; and may include Descartes, Hume, Kant, Nietzsche, and Wojtyla. (4 credits)

#### PHIL 206 ETHICS

This course introduces the student to the nature of morality, and its meaning in human life. Fundamental issues of our moral life will be covered, including the nature of moral values, freedom, the moral law and obligation, autonomy, the structure of the moral act, moral evil, and virtue. Students will study representative accounts of theistic ethics, natural law ethics, virtue ethics, utilitarianism, Kantian duty ethics, and moral subjectivism. Authors studied include thinkers such as Plato, Aristotle, Aquinas, Hume, Kant, and Mill. Prerequisite: PHIL 205. (4 credits)

#### POLT 203 AMERICAN CIVILIZATION

This course covers the major events and themes in the development of the U.S. Republic, from its colonial origins to the present day. Special concentration is paid to the development of the American political system. It is meant to provide special background for U.S. students interested in the history of their own nation, as well as Ave Maria's foreign students who are interested in the history and system of governance of their host country. (4 credits)

#### THEO 105 SACRED SCRIPTURE

This course serves as the first theology course in the Core Curriculum. Since God is the primary author of Scripture, the soul of sacred theology is the study of the sacred page. This course has a twofold goal: to introduce students to the principles of authentic Catholic biblical exegesis, and to explore how God, the Creator, has acted through his covenants to draw his people, disordered by the Fall, back to himself. The course begins by examining the principles of Catholic exegesis as set forth definitively by *Dei Verbum* and the *Catechism of the Catholic Church*. We then undertake a careful reading of large segments of the Old and New Testaments, with an emphasis on the unity of Scripture. (4 credits)

#### THEO 205 SACRED DOCTRINE

This course serves as the second theology course in the Core Curriculum. Building upon the scriptural foundation of the previous required course in Sacred Scripture, this course is an introduction to dogmatic Catholic theology. Particular attention will be given to natural and divine revelation, the modes of transmission of divine revelation, the essential doctrines of the faith, the moral life and the sacraments. (4 credits)

As part of the core curriculum, a student may choose one two-semester foreign or classical language sequence from the following list:

**FREN 101 ELEMENTARY FRENCH**

Introduces the basic elements of the language in an intensive manner and includes exposure to aspects of French-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills. Prerequisite: No previous college study of French, or no more than two years of high school French. (4 credits)

**FREN 102 INTERMEDIATE FRENCH**

Building upon the skills acquired in Elementary French, this course develops the elements of the language in an intensive manner and includes exposure to aspects of French-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills. Prerequisite: No more than one year of college study of French, or no more than three years of high school French, FREN 101, or permission of instructor. (4 credits)

**GERM 101 ELEMENTARY GERMAN**

Introduces the basic elements of the language in an intensive manner and includes exposure to aspects of German-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills. Prerequisite: No previous college study of German, or no more than two years of high school German. (4 credits)

**GERM 102 INTERMEDIATE GERMAN**

Building upon the skills acquired in Elementary German, this course develops the elements of the language in an intensive manner and includes exposure to aspects of German-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills. Prerequisite: No more than one year of college study of German, or no more than three years of high school German, GERM 101, or permission of instructor. (4 credits)

**HEBR 103 ELEMENTARY HEBREW**

Beginning with the alphabet and the writing of Hebrew characters, this course introduces students to the rudiments of Biblical Hebrew with the aim of preparing students to read unadapted passages from the Hebrew Bible at the end of their second semester. While learning basic Hebrew vocabulary and grammar, students will be introduced to the Biblical text early on through adapted and unadapted passages from the Book of Ruth. (4 credits)

**HEBR 104 INTERMEDIATE HEBREW**

This course continues the introduction to the elements of Biblical Hebrew with the aim of preparing students to read unadapted passages from the Hebrew Bible at the end of the semester. While learning basic Hebrew vocabulary and grammar, students will be introduced to the Biblical text early on through adapted and unadapted passages from the Book of Ruth. Prerequisite: HEBR 103. (4 credits)

**ITAL 101 ELEMENTARY ITALIAN**

Introduces the basic elements of the language in an intensive manner and includes exposure to aspects of Italian-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills. Prerequisite: No previous college study of Italian, or no more than two years of high school Italian. (4 credits)

**ITAL 102 INTERMEDIATE ITALIAN**

Building upon the skills acquired in Elementary Italian, this course develops the elements of the language in an intensive manner and includes exposure to aspects of Italian-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills. Prerequisite: No more than one year of college study of Italian, or no more than three years of high school Italian, ITAL 101, or permission of instructor. (4 credits)

**SPAN 101 ELEMENTARY SPANISH**

Introduces the basic elements of the language in an intensive manner and includes exposure to aspects of Spanish-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills. Prerequisite: No previous college study of Spanish, or no more than two years of high school Spanish. (4 credits)

**SPAN 102 INTERMEDIATE SPANISH**

Building upon the skills acquired in Elementary Spanish, this course develops the elements of the language in an intensive manner and includes exposure to aspects of Spanish-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills. Prerequisite: No more than one year of college study of Spanish, or no more than three years of high school Spanish, SPAN 101, or permission of instructor. (4 credits)

**The Freshman Year Experience and Sophomore Success**

Students at Ave Maria University have the option to complete a two-year practicum that helps them adjust to the rigors and challenges of college life while developing the personal and professional formation crucial to life after graduation.

**FRYE 101 FRESHMAN YEAR EXPERIENCE**

The Freshman Year Experience Course focuses on assisting new students in their transition to college through an understanding of campus resources, academic skills, self-evaluation and University expectations. Students will develop oral communication and other personal and community focused skills, gain an understanding of physical, emotional and psychological well-being and establish connections to and within the university. (Pass/Fail, 0 credits)

**SOPH 201 SOPHOMORE SUCCESS I**

This practicum coordinates a variety of activities associated with the Sophomore Success Program, typically including, but not limited to, participation in the sophomore orientation, review of strengths-finder assessment in relation to studying and academic plan, development of academic plan and declaration of major, the nature of liberal arts education, oral presentation and rhetoric for academic, graduate and professional school exam preparation, and registration for sophomore-year Spring semester courses. Offered in the Fall semester. (Pass/Fail, 0 credits)

**SOPH 202 SOPHOMORE SUCCESS II**

This practicum coordinates a variety of activities associated with the Sophomore Success Program, typically including, but not limited to, submission and review of resume, review of strengths-finder assessment in relation to careers, confirmation of academic plan and declaration of major, the benefits of liberal arts education for professional life, oral presentation and rhetoric for professional life, summer jobs, internships, service, research, and registration for junior-year Fall semester courses. Offered in the Spring semester. (Pass/Fail, 0 credits)

**Credit Hours**

Ave Maria University defines a credit hour according to the standard Carnegie unit of one lecture hour (fifty minutes of actual contact) per week along with two hours of outside-of-class work per week for the fifteen-week semester and at least an equivalent amount of work for other academic activities including laboratory work, internships, studio work, including courses offered in a distance education format.

All courses listed in this Catalogue are 4-credit courses unless otherwise noted.

As part of the Core Curriculum at Ave Maria University, students must demonstrate proficiency in a language other than English. Such proficiency may be demonstrated in the following ways:

1. Students may complete coursework in any foreign language, either ancient or modern. At Ave Maria University, students may complete eight (8) credits of language study (e.g., LATN 101 and LATN 102 or SPAN 101 and SPAN 102). Students may transfer in courses at the equivalent level from other colleges and universities.
2. Students may demonstrate proficiency through the appropriate score on Advanced Placement Tests, the College Level Examination Program, or International Baccalaureate Examinations. An AP Exam score of 3 or higher satisfies the requirement. Students may also demonstrate proficiency through available internal placement tests.
3. Students who have learned English as a second language have fulfilled the foreign language requirement. Students with significant background study or experience in a foreign language may have fulfilled the foreign language requirement. It is the student's responsibility to present appropriate evidence to the Office of Academic Records.

## Undergraduate Major Programs

Ave Maria University offers undergraduate degrees in the following disciplines:

- |  |  |
|--|--|
| 1. Accounting (B.A.)                               | 18. Health Science (B.A.)                            |
| 2. American Studies (B.A.)                         | 19. Healthcare Management (B.A.)                     |
| 3. Biochemistry (B.A.)                             | 20. History (B.A.)                                   |
| 4. Biology (B.A.)                                  | 21. Humanities & Liberal Studies (B.A.)              |
| 5. Biology (B.S.)                                  | 22. Literature (B.A.)                                |
| 6. Business Administration (B.A.)                  | 23. Managerial Economics & Strategic Analysis (B.A.) |
| 7. Catholic Studies (B.A.)                         | 24. Marine Biology (B.S.)                            |
| 8. Chemistry (B.S.)                                | 25. Marketing (B.A.)                                 |
| 9. Classics & Early Christian Literature (B.A.)    | 26. Mathematics (B.A.)                               |
| 10. Communications (B.A.)                          | 27. Music (B.A.)                                     |
| 11. Economics (B.A.)                               | 28. Nursing (B.S.N.)                                 |
| 12. Elementary Education (B.A.)                    | 29. Philosophy (B.A.)                                |
| 13. Environmental Science (B.A.)                   | 30. Physics (B.A.)                                   |
| 14. Exercise Physiology (B.S.)                     | 31. Political Economy & Government (B.A.)            |
| 15. Finance (B.A.)                                 | 32. Politics (B.A.)                                  |
| 16. Global Affairs & International Business (B.A.) | 33. Psychology (B.A.)                                |
| 17. Greek (B.A.)                                   | 34. Theology (B.A.)                                  |

Each major typically consists of 32-48 credit hours of concentrated study in the discipline, 56 credit hours of Core subjects, and 24-36 credit hours of general electives.

## Double Majors

With careful planning between students and their academic advisors, it may be possible to complete a double major at Ave Maria University. Depending on the combination of majors, the completion of two majors may require exceeding 128 credits. Students may not earn an additional major in cases in which two majors overlap in 50% or more of course requirements.

A student who graduates with a double major will earn one Bachelor of Arts degree with two majors.

## Electives

Electives consist of courses chosen at the discretion and interest of the student or by transfer credit to the institution.

## Minors

Minors are offered in the following areas:

- |                            |                                |
|----------------------------|--------------------------------|
| 1. Accounting              | 14. Latin                      |
| 2. Biology                 | 15. Literature                 |
| 3. Business Administration | 16. Marine Biology             |
| 4. Catechetics             | 17. Mathematics                |
| 5. Chemistry               | 18. Medieval Studies           |
| 6. Classical Languages     | 19. Music                      |
| 7. Economics               | 20. Philosophy                 |
| 8. Education               | 21. Physics                    |
| 9. Environmental Science   | 22. Politics                   |
| 10. Exercise Physiology    | 23. Psychology                 |
| 11. Family & Society       | 24. Shakespeare in Performance |
| 12. Health Science         | 25. Spanish                    |
| 13. History                | 26. Theology                   |

## Online Learning

Ave Maria University offers a limited number of courses and degree programs at a distance in a fully online modality. This fully online learning program is called “Lux Mundi” (Light of the World). The courses and degree programs offered through the Lux Mundi program are formally part of Ave Maria University and share in the institution’s accreditation with the Southern Association of Colleges and Schools Commission on Colleges. The online courses and degree program do not differ in name, designation, or number from the traditional on-campus courses, save for the fully online modality and a modified course schedule. Course scheduling in the Lux Mundi program allows students to proceed through the degree programs in a timely manner, consisting of six 7-week terms throughout the year.

The online degree programs currently available include:

### **Undergraduate Degree Programs**

Accounting (B.A.)  
 Business Administration (B.A.)  
 Finance (B.A.)  
 Healthcare Management (B.A.)

### **Graduate Degree Programs**

Business Administration (M.B.A.)  
 Theology (M.A.)

## Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Nursing Degree Requirements

To graduate with the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Nursing, a candidate must complete the following requirements:

1. Fulfill the Core Curriculum requirements.
2. Complete the requirements within a major according to the specifications of the respective discipline.
3. Earn a minimum of 128 credit hours from the Core, the major, and elective courses.

4. Transfer students must complete at least 32 credit hours of coursework at the University.
5. File an application for a degree with the Office of Academic Records at least one semester before graduation and be approved by the institution.
6. Attain a cumulative grade point average of at least 2.0 in the major and overall. Some majors may have higher requirements. Minors also must have a 2.0 GPA in the minor.
7. Length of study must not exceed seven years.
8. Participate in institutional placement testing and assessment programs.

## Academic Advising

Upon admission to Ave Maria University, each student is assigned an academic advisor. This advisor provides guidance with everything from course selection at registration, to choosing a major field, to career investigation. When the student selects a major, a new academic advisor with expertise in the selected field will be assigned if the current advisor does not teach that discipline. The academic advisors approve student workloads and study loads. They regularly help the student look into summer study, work or fellowship opportunities. Advisors are notified if any issues arise that affect the student's academic performance, or if the student is placed on academic probation. All advisors keep regular, posted office hours. Students are ultimately responsible for knowing and meeting all graduation requirements in their particular areas of study.

## Student Support Services

Student Support Services provides academic support and counseling for Ave Maria University students and aims to significantly increase the retention and graduation rates of its participants. The objective is to help students adjust to the greater academic rigor and autonomy of college and to prevent the stress caused by unsatisfactory performance. Student Support Services focuses on supporting students in their academic success beyond the traditional classroom setting in the following areas:

- Academic Counseling
- Counseling and Support for Students on Academic Probation
- Individual and Group Tutoring
- Development of Study Skills and Time Management Resources
- Support for Transfer Students Transitioning to AMU
- Early Warning Program
- Academic Advising/Assistance with Class Selection and Registration
- Academic Planning and Determining Progress Towards Graduation

Student Support Services advises students on academic issues, such as understanding their learning styles, study techniques, and which courses to take, and it also offers support on related issues, such as scheduling, time management, and project management. Student Support Services seeks to address techniques to avoid habits which are hazardous to students' academic progress, minimize distractions, and develop a positive attitude. It holds classes and workshops on study skills. In addition, the staff meets with students on academic probation or on scholarships which require them to maintain a high grade point average, plan for academic success by creating realistic written goals and means of achieving them, and provides a supportive yet relaxed atmosphere.

## Adaptive Services Office

Ave Maria University is committed to ensuring that all qualified individuals with disabilities have the opportunity to take part in educational and employment programs and services on an equal basis. It is the policy of the University to extend reasonable accommodations to known limitations of qualified individuals with documented disability. The documentation specified in the Ave Maria University Policy on Disability Access and Reasonable Accommodation must be submitted along

with the Request for Accommodations forms to the Adaptive Services Office two weeks prior to the start of classes. Reasonable accommodations are made on an individual and flexible basis, and will be provided in a timely and cost-effective manner. The full text of this policy at [https://www.avemaria.edu/wp-content/uploads/2018/02/AMU\\_Policy\\_on\\_Disability\\_Access\\_and\\_Reasonable\\_Accommodation-fixed\\_-\\_for\\_website.pdf](https://www.avemaria.edu/wp-content/uploads/2018/02/AMU_Policy_on_Disability_Access_and_Reasonable_Accommodation-fixed_-_for_website.pdf). To schedule an appointment, please call (239) 280-1654. Further information can be found at <https://www.avemaria.edu/student-services/adaptive-services-office/>.

## Tutoring Services

Peer tutoring at Ave Maria is offered by students who excel in particular subjects and receive faculty approval to tutor. Tutors are usually juniors, seniors, or graduate students, and are trained by the staff, after having been recommended by faculty members, and hired by the Director of Tutoring. Each tutor is scheduled for several hours a week. No appointment is needed; tutoring is free. Tutoring is available sixty (60) hours a week. Tutoring occurs on the first floor of the Canizaro Library. Tutoring schedules for various subjects are available in the library and on the Student Support Services webpage, <https://www.avemaria.edu/academic-support/#tutoring>. Tutors are paid by the university and approach their work in a serious but friendly manner. Designated areas are reserved for students who are working with a tutor. Students seeking study space may make use of other areas on campus.

Students are also able to receive writing support at the tutoring center from knowledgeable undergraduate students, as well as graduate students. These tutors are able to assist students with all steps of the writing process, although they are best used as a resource for reviewing completed written work. In addition to offering help with grammar and writing structure, writing tutors are also able to answer any questions about properly formatting and citing sources in academic work. Each writing tutor may be able to assist with specific content areas in addition to general writing help; this information can be found on the semester tutoring schedule.

## Class Attendance

The University expects all students to be regular and punctual in class attendance. Frequent unexplained absences may result in a student being administratively withdrawn from the course or in a grade reduction or failing grade, at the discretion of the faculty member, in accordance with the faculty member's attendance policy included on the course syllabus.

## Final Exams

Courses must hold an oral or written examination during the week of final examinations. Any exceptions must be approved by the Dean of Faculty. Students are required to sit for their final exams during the scheduled periods unless the student has three exams scheduled within a 24-hour period or the exam is proctored by the Adaptive Services Office.

## Full-Time Degree Status and Normal Course Load

Although the minimum course load for a full-time student is 12 credit hours per semester, the normal full-time load is 16 credit hours, or typically four courses. Any requests to take less than 16 credit hours or more than 16 credit hours, up to 21 credit hours, must be approved by the student's academic advisor, the Registrar, and the Dean of Faculty. A cumulative GPA of 3.0 or better on a 4.0 scale is a prerequisite for an overload. A student who registers for 12 – 18 credit hours in a semester will be charged the flat rate for tuition. Any student who registers for 19 credit hours or more in any one semester will be charged \$366 for each additional credit hour above the 18 credit hour level.

## Auditing Classes

Students wishing to audit a course must register for the course during the days prescribed in the academic calendar. A student will have up to the end of the first week of classes to make a declaration of audit on his or her registration, and the

change to audit status must be approved by the academic advisor. Auditors are expected to attend all classes, but are not required to participate in class discussions or to write papers, homework, or present examinations. If a student fails to audit the course, the designation of AU (Audit) will not be granted.

## Add/Drop Policy

After the semester begins, class changes can only be effected in person at the Office of Academic Records during the official “add-drop” period. Courses may be added and dropped during the first days of the term, as prescribed in the academic calendar.

## Transfer of Credit to Other Institutions

The acceptance of credit transfer is discretionary. Students seeking to transfer to other colleges or universities should check with the other institutions’ transfer credit policies regarding acceptance of Ave Maria University course credits.

## Students Transferring to Ave Maria University

Credit earned at other, accredited, post-secondary institutions can be applied to Ave Maria University requirements, provided the student earned at least a “C-” in each course proposed for transfer. When students from other institutions apply to Ave Maria University their official transcripts should be sent to the Office of Admissions. Upon acceptance, unless otherwise desired in advance, Admissions will send their transcripts and a course catalogue and/or course syllabi to the Office of Academic Records for evaluation. Transfer coursework is evaluated for correspondence with Ave Maria University courses and applied towards the student’s program of studies. Total accepted transfer hours are shown on the transcript. Neither transfer credit hours nor grades are used in calculating cumulative grade point averages. Transfer students must be in residence for their final year and complete at least 32 credit hours of coursework at Ave Maria University in order to earn a degree from this institution.

## Graduation under a Particular Catalogue

In the case of substantive changes in curriculum or in academic programs, a candidate for a degree may choose to be graduated under the regulations of any Catalogue in force during his or her time of enrollment. The University will accept all previous coursework and do its best to enable the student to follow the selected program, provided the Catalogue under which the student wishes to graduate is not more than five years old.

## Registration Procedures

A student must register during the days prescribed in the academic calendar. The student must meet with his or her academic advisor for approval of course selection. All changes to a student’s registration form after initial academic approval of course selection must be approved once again by the academic advisor. Registration, Add/Drop, and Withdrawal forms must be filed with the Office of Academic Records within the time frame indicated by the academic calendar.

## Placement Exams

Credit earned by means of College Level Examination Program (CLEP) or Advanced Placement may fulfill some of Ave Maria University’s curriculum requirements. Matriculated students seeking to take CLEP exams must obtain prior approval from the Dean of Faculty. Current students must normally take all core and major classes at AMU. Only 17 credits of general elective and language credits will be accepted for current students. An Official College Board Student Score Report is required for granting credit. Acceptance of any exam score under special circumstances is at the sole discretion



of the Dean of Faculty. The detailed policy CLEP and AP scores in individual subjects is maintained in the Office of Academic Records.

## Transient Courses

Core curriculum and major courses must normally be taken at AMU. Matriculated students may take up to twelve transient credits at another university. Each transient course must be approved by the Dean of Faculty and the Chair of the department in which the corresponding AMU course is offered. For each transient course, the student must submit a current course syllabus and Transient Student Form to the Chair, who determines if the course is an adequate replacement of the AMU course. The course must then be approved by the Dean of Faculty, who determines if there is a valid reason for the student to take the class elsewhere. Exceptions to the 12 limit may be made by the Dean of Faculty for extraordinary circumstances. Individual departments may require additional limitations on transient courses in their majors. Students cannot receive approval for transient courses that are already completed.

## Classification of Students

A regular student (one working toward a degree) is classified according to the number of semester hours earned, including approved transfer credit, as follows:

- Freshman, 0-31 semester hours;
- Sophomore, 32 to 63 semester hours;
- Junior, 64 to 95 semester hours; and
- Senior, 96 or more semester hours.

## Incomplete Coursework

An "I" should only be issued for valid reasons involving circumstances beyond the student's control that prohibit or interfere with the timely completion of coursework. Students may receive a grade of "I" in courses for which required work is incomplete with the approval of the instructor and the Dean of Faculty. An "I" will be changed to an "F" if the work is not completed 30 days from the end of the current semester. Students should consult with the Office of Financial Aid before they request an Incomplete since there may be financial aid penalties associated with the lack of timely completion of coursework.

## Repeating a Course

Students may repeat courses in which the grade of "D", "F", or "W" was earned. The last grade earned stands as the official grade and is used in calculating the cumulative grade point average. All attempts will be recorded on the transcript. Credit is only allowed once. Students have the option of re-taking at Ave Maria any course that has been awarded to them as transfer credit. If the student decides to re-take the course at Ave Maria, the original transfer course and credits are removed from the transcript and only the Ave Maria course counts for their record.

## Concurrent Registration

Matriculated students at Ave Maria University who are seeking concurrent enrollment at other institutions must have advanced written approval from their academic advisor in order for Ave Maria University to accept that institution's credits for any semester. Students desiring to enroll in summer courses at another institution must obtain permission from the Office of Academic Records prior to leaving campus in order to have Ave Maria University recognize such credits.

## Provisional Grade Reports

After six weeks into each semester, students will receive an estimated grade in each course. This notice is to alert the student of his or her status. The student is required to meet with the instructor for advisement, if the student is earning a C- or lower.

## Academic Distinction

At the end of each semester, the Dean of Faculty will publish a list of students who have achieved a grade point average of 3.65 or better with a full-time course load for that semester's work. For the purpose of the Dean's Merit List, a full-time course load is 14 credits or more, effective July 1, 2016. The Dean's Merit List award will be noted on the student's transcript.

## Second Baccalaureate Degree Requirements

Students wishing to earn a second bachelor's degree from an accredited institution, including Ave Maria University, must complete a minimum of 32 credits beyond the initial degree and all required courses associated with the second degree.

## Academic Probation and Dismissal

The University's policies on academic standing are equivalent to those on the satisfactory academic progress associated with financial aid. These policies conform to governmental regulations.

The University has specific requirements for a student's cumulative grade point average (GPA) in order to maintain good academic standing: for students with 31 credits or fewer, a cumulative GPA of at least 1.7; with 32 to 63 credits, at least 1.9; and with 64 or greater, at least 2.0.

A student whose cumulative GPA falls below the above standards is generally placed on academic probation. A student on academic probation has one semester to return to the minimum for good academic standing. Staying below the minimum cumulative GPA while on academic probation generally leads to academic dismissal. Earning below a 1.0 GPA in the first semester will result in academic probation. Students earning below a 1.0 term GPA in the second term or later will be placed on probation. Two concurrent semesters of a term GPA below 1.0 will result in dismissal.

During the semester(s) on academic probation, the student may not hold any office in any class, club, organization, or household. In addition, the student will report weekly to Student Support Services. A student on academic probation is not eligible to participate in a study abroad program.

This policy generally operates automatically and is implemented by the Office of Academic Records. The Office of Academic Records, in consultation with the Dean of Faculty, may consider the student's term grade point average in deciding whether probation or academic dismissal is warranted. If a student subject to this policy wishes to appeal the imposition of a warning, probation, or dismissal, the student must submit a written appeal directed to the Office of the Dean of Faculty within fourteen days of notification. A member of the faculty or student support staff may provide information on behalf of a student. Appeals will be considered by the Academic Dismissal Review Board.

Reinstatement of students who have been dismissed under this policy is possible under certain conditions. In particular, at least one Fall or Spring semester must elapse before attempted re-enrollment. The student must include a petition for reinstatement addressed to the Dean of Faculty along with the application for readmission. The student's application will be reviewed by the Admissions Committee. If successful, the student is reinstated on academic probation and is subject to the conditions listed above. Any student who is dismissed twice under this policy may not apply for readmission.

## Grading System

The grading scale of the University is based on a 4.0 scale. The instructor determines the final grade of a student in each course. Grades, along with points for calculating grade point average, are the following:

| Letter Grade | Percentage   | Grade Points                  | Description |
|--------------|--------------|-------------------------------|-------------|
| A            | 93-100       | 4.0                           | Excellent   |
| A-           | 90-92        | 3.7                           |             |
| B+           | 87-89        | 3.3                           |             |
| B            | 83-86        | 3.0                           | Good        |
| B-           | 80-82        | 2.7                           |             |
| C+           | 77-79        | 2.3                           |             |
| C            | 73-76        | 2.0                           | Pass        |
| C-           | 70-72        | 1.7                           |             |
| D+           | 67-69        | 1.3                           |             |
| D            | 63-66        | 1.0                           | Low Pass    |
| D-           | 60-62        | 0.7                           |             |
| F            | 59 and below | 0                             | Failure     |
| P            | Pass         | (Not used in GPA computation) |             |
| AU           | Audit        | (Not used in GPA computation) |             |

(W) Withdrawal—A withdrawal without penalty is given for withdrawals until a specified point of the semester. A withdrawal after that point semester results in a failing grade. See the academic calendar for specific dates.

(I) Incomplete—An incomplete grade will become an “F” if the coursework is not completed 30 days from the end of the current semester.

(NR) Denotes a course for which a grade was not reported.

(TR) Denotes transfer credit. Neither transfer credit hours nor grades are used in calculating the cumulative grade point average.

## Quality Grade Point Average

A student's academic standing at Ave Maria University is measured by the Quality Grade Point Average (QGPA). To calculate the QGPA, multiply the number of credit hours attempted by the numerical value of the grade (A=4, B=3, etc.). See the Grading System for numerical value interpretation. This total is a student's quality points. Divide the total quality points by the number of credit hours attempted to obtain the quality grade point average.

For example:

| Course       | Credits                  | Grade  | Quality Points |
|--------------|--------------------------|--------|----------------|
| COMP 101     | 4                        | A= 4   | 4x4= 16        |
| HIST 100     | 4                        | B =3   | 4x3 = 12       |
| LATN 101     | 4                        | B+=3.3 | 4x3.3= 13.2    |
| MATH 151     | 4                        | C=2    | 4x2= 8         |
| Total        | 16                       |        | 49.2           |
| Quality GPA: | 3.075 (49.2 /16 = 3.075) |        |                |

## Graduation with Honors

Ave Maria University awards baccalaureate degrees with honors for distinguished achievement according to the following system:

*Cum laude* is earned with a cumulative GPA of 3.6 to 3.749;

*Magna cum laude* is earned with a cumulative GPA of between 3.75 and 3.899;

*Summa cum laude* is earned with a cumulative GPA of 3.9 and above.

To graduate with these honors recognitions, a minimum of 64 credits, or 16 courses, must be taken while the student is enrolled at Ave Maria University.

## Withdrawal from the University

### *Refund Policy*

When considering the refund of excess funds on a student's account, Ave Maria University must have received all deferred sources of payment necessary to pay the account in full. These include outside scholarships and grants, student and/or parent loans, monthly payment plans, and any other sources of deferred payments upon which the student's registration was based.

## Withdrawal Financial Credit

It is the student's responsibility to notify formally the Office of Academic Records and to follow proper procedures when withdrawing from the University. Failure to pay fees or failure to attend class does NOT constitute an official withdrawal from Ave Maria University. An official withdrawal form must be fully completed by the student, dated, and signed by all designated offices and the Office of Academic Records before leaving campus. Students dismissed or suspended by Ave Maria University will not be entitled to a refund.

Students are eligible for a refund of tuition, fees, and room and board charges if they withdraw officially from the course of study according to the following schedule:

| <u>Withdrawal/Drop Date</u>                | <u>Fee % Reassessed</u> | <u>Fee % Due to University</u> |
|--|-------------------------|--------------------------------|
| During the 1 <sup>st</sup> week of classes | 100%                    | 0%                             |
| During the 2 <sup>nd</sup> week of classes | 75%                     | 25%                            |
| During the 3 <sup>rd</sup> week of classes | 50%                     | 50%                            |
| During the 4 <sup>th</sup> week of classes | 25%                     | 75%                            |
| During the 5 <sup>th</sup> week of classes | 0%                      | 100%                           |

Refund requests for medical or other hardship reasons will be reviewed on a case-by-case basis. No refunds will be granted after the start of the fifth week of the semester.

## Withdrawal from the Institution or Course for Health or Other Serious Reasons

An enrolled student who experiences physical, psychological or other serious difficulties may request a full or partial medical withdrawal or drop. Such a request should be made within thirty (30) days of the end of the semester in question and should be submitted to the Office of Academic Records. The Medical Withdrawal/Drop Petition form can be found at the Office of Academic Records or on the AMU website under "Online Forms." The Medical Withdrawal/Drop committee will require third party medical documentation before granting approval for a medical drop or withdrawal. For a full withdrawal, an official withdrawal form must be completed by the student, dated, and signed by all designated offices and submitted to the Office

of Academic Records. A student withdrawn after the withdrawal deadline under this petition will receive a grade of “W” on his or her transcript for each course attempted in the semester. A student withdrawn after the drop deadline but prior to the last day to withdraw will receive a drop. Recipients of Florida Bright Futures scholarship or Veterans Administration benefits should consult the respective policies regarding return of funds in the event of a withdrawal.

## Involuntary Withdrawal

The University may require the involuntary withdrawal of a student if, in the judgment of the University, the student’s behavior poses a threat to the safety of himself or other members of the community, or the University has been advised by a health care professional that the student has a medical or psychological problem that cannot be properly treated in the University setting. (See the Ave Maria University Student Handbook for a more detailed explanation of this policy.)

## Course Prerequisites

All course prerequisites are stipulated in the Catalogue or will be addressed through the academic advisement process. As a general rule for all majors, 100 and 200 level courses are to be taken in sequence as prescribed in the program sequence schedules printed in this publication. These courses will precede and are considered prerequisites to the taking of 300 and 400 level courses.

## Course or Program Cancellation

The University reserves the right to cancel a course for insufficient enrollment or other reasons; however, such cancellations cannot be a reason for failure to graduate or complete a designated curriculum. Students who have had a course cancelled by the University must consult with their advisor and make arrangements to take the course at another time or substitute another course for the cancelled course. In the event that a student cannot retake or make up the exact course, a substitution will be made.

In the unlikely event that a program is cancelled, the University understands that it has the responsibility to “teach out” the program or to make satisfactory arrangements for the student’s transfer to another program at a comparable institution. Should such a decision be made, the University will make appropriate and reasonable efforts to assist individual students with the transfer or “teach out” processes.

## Directed Independent Studies

In certain circumstances, a student may be allowed to take a course for credit in the form of a tutorial, at a fee of \$522. It is understood that such a course is part of the regular curriculum of the University. Permission from the instructor, department chair, and Dean of Faculty is required and will only be granted after a complete syllabus has been created. Directed studies courses are evaluated in accordance with the standard grading system of the University. Students may typically only take one Directed Independent Study during their baccalaureate degree.

## Internships

An internship is a curricular-related work-experience opportunity for the purpose of expanding one’s education by applying accumulated knowledge in an academic field of study. This purpose presupposes a student has accumulated a background of knowledge in an applicable discipline or field. Therefore, the availability of internships is generally limited to upperclassmen. The academic department that grants the credits for the work experience approves students individually for internships at Ave Maria University. Internships sponsored by other organizations may also, with the prior approval of the academic advisor, the department chair and the Dean of Faculty, be applied to credit at Ave Maria University. The request for internship must be approved in advance for credit to be transferred back to Ave Maria University. Students must register

for internships-for-credit at the beginning of the same semester--Summer, Fall, or Spring--during which the internship is undertaken.

## Notification of Rights under the Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act of 1974 (FERPA) affords students certain rights with respect of their education records. Ave Maria University has established the following policy:

1. The right to inspect and review the student's education record within 45 days of the day the University receives a request for access. Students should submit to the Office of Academic Records written requests that identify the record(s) they wish to inspect. The Office of Academic Records will make arrangements for access and notify the student of the time and place where the records may be inspected.
2. The right to request the amendment of the student's education record that the student believes is inaccurate or misleading. Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they wanted changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to hearing regarding the request for amendment.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting on another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Effective October 26, 2001, institutions are permitted to disclose – *without the consent or knowledge of the student or parent* – personally identifiable information from the student's education records to representatives of the Attorney General of the United States in response to an *ex parte* order in connection with the investigation or prosecution of terrorism crimes (USA PATRIOT ACT of 2001). An *ex parte* order is an order issued by a court without notice to an adverse party. In addition, when the University makes a disclosure pursuant to an *ex parte* order, the University official is not required to record that disclosure of information in the student's file.

As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records — including your Social Security Number, grades, or other private information — may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such

PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Ave Maria University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202-4605

## Directory Information Public Notice

The University may disclose Directory Information without a student's prior written consent. Ave Maria University designates the following as Directory Information: The student's name, addresses, telephone number, email address, date and place of birth, major field of study, degree sought, grade level, expected date of completion of degree requirements and graduation, degrees and awards received, dates of attendance, full or part-time enrollment status, the previous educational agency or institution attended, class rosters, participation in officially recognized activities and sports, and academic honors and distinction. Students may restrict the release of Directory Information, except to school officials with legitimate educational interests. To do so, a student must make the request in writing to the Office of Academic Records. The request must be submitted annually within the first week of classes.

## Change of Address

Change of a student's home address must be made promptly to the Office of Academic Records.

## Requests of Transcripts

Transcripts of the academic record must be requested in writing to the Office of Academic Records by the student except as otherwise required by law. Transcript requests are accepted by mail, in person, or via online transcript request on the AMU website. Students on the Stop List may not receive grades or transcripts. Due to FERPA, grades or transcripts cannot be sent via email, phone, or fax.

## Withdrawal for Active Military Duty

In the event that a student is called for National Guard or active military duty during a semester, the following withdrawal policy should be applied:

1. Up to the beginning of the eighth week of semester, a grade of "W" will be assigned for all courses being taken and a full tuition and fees costs will be refunded.
2. From the beginning to the end of the tenth week, a grade of "W" will be assigned, but no refund of tuition and fees charges will be made. However, a student will be permitted to retake the courses upon returning to Ave Maria University without a tuition charge.

A note will be included on the transcript to indicate that the withdrawal is due to military service. Students who are called for active duty in the military and do not officially withdraw are responsible for all the charges with the University.

## Student Academic Complaint/Grievance Policy

Students should refer to the academic section of the general student complaint and grievance policy found in the Student Affairs section of this Catalogue. Students concerned about academic advising or other academic issues should contact the Dean of Faculty. Appeals of grades must be submitted within thirty (30) days of the posting of the grade.

## The Honors Program

The Honors Program offers students in concentrated form the very best of collegiate life:

- Stimulating and challenging classes taught by accomplished, devoted faculty members;
- Genuine interdisciplinary opportunities rooted in the classical liberal arts tradition but conversant with the latest developments in modern science and thought;
- An environment in which conversations flow naturally from the classroom, laboratory, or seminar room into the dining hall, the dormitories, and other social settings; and
- A profound experience of the harmony between faith and reason, those “two wings on which the human spirit rises to the contemplation of truth” (*Fides et Ratio*, prologue).

The Honors Program brings together all of the distinctive strengths of the education offered at Ave Maria University.

### *Honors Program Benefits for Students*

- More enriching and accelerated academic experience of the Core Curriculum
- Options for designated living spaces for Honors students within Residence Halls
- Focused component of Freshman Orientation
- Recognition on transcript: graduation with honors in the Core Curriculum upon satisfaction of the general requirements of the Honors Program; and graduation with honors in a major if the student satisfies the Honors senior thesis/project in a particular major

### *Honors Program Requirements*

Ave Maria University recognizes that honors students will often excel in particular areas of the Core Curriculum. For this reason, our program allows students to choose the courses in which they will earn honors. Honors Program students must:

1. Complete at least six (6) courses from the Core Curriculum listed below at the Honors level. Students are not permitted to take more than two designated Honors (H) courses per semester.
  - BIOL 211H Biology I; BIOL 212H Biology II
  - CHEM 125/CHEM 126; PHYS 221/PHYS 222/PHYS 223 (regular sections)
  - COMP 101H Honors Composition
  - CORE 101H Western Civilization I; CORE 102H Western Civilization II
  - LATN 101H Elementary Latin; LATN 102H Intermediate Latin
  - MATH 151 Calculus I (regular sections)
  - PHIL 205H Nature and Person; PHIL 206H Ethics
  - POLT 203H American Civilization
  - THEO 105H Sacred Scripture; THEO 205H Sacred Doctrine
2. Attend eight (8) Honors Integrated Colloquia before graduation.
3. Maintain an overall 3.4 GPA or higher. Students will be audited at the end of every academic year. Failure to maintain a 3.4 GPA will result in removal from the Honors Program.



*Honors Integrated Colloquia*

The Honors Integrated Colloquia are interdisciplinary discussions for students in the Honors Program, which meet twice a semester. They are dedicated to fostering an interdisciplinary and integrated conversation, focusing on texts and ideas within the Core Curriculum, as well as broader ideals and themes within the overall philosophy of the curriculum. These stimulating Colloquia are led by three professors representing diverse disciplines.

*Admission into the Honors Program*

Incoming freshmen who are identified by their achievement on the SAT/ACT exams and high school coursework (courses, programs, GPA, class rank, etc.) will be invited into the Honors Program. Priority consideration will be given to students with a high school GPA of 3.6 or higher and an SAT score of 1280 and above, or an ACT score of 27 and above. Current students and transfer students may apply for admission to the Honors program as long as they still have half of the Core Curriculum to complete.

# Ave Maria University

## Academic Honor Code

### I. Introduction<sup>1</sup>

As introduced in our Mission statement, Ave Maria University was founded in response to Pope John Paul II's call for greater Catholic witness in contemporary society. In its teaching, research, learning, and community life, therefore, Ave Maria University is devoted to the formation of men and women in the intellectual and moral virtues of the Catholic faith.

The Ave Maria University community of scholars recognizes that respect for moral truth cannot be separated from the pursuit of intellectual truth. As such, academic integrity and honesty is integral to the mission and life of our University community. Academic integrity requires all members of the academic community always to act honorably and responsibly.

To uphold our commitment to academic excellence and integrity, Ave Maria University possesses an Honor Code.

### II. The Honor Code<sup>2</sup>

By virtue of enrollment, the student is held to the Honor Code. A public recitation of the Honor Code will take place during the opening Mass each Fall or during some other appropriate event. The Honor Pledge is stated as follows:

"On my honor, I will not lie, cheat, or steal. I will encourage others not to lie, cheat, or steal, and I will not be party to others lying, cheating, or stealing."

### III. Standards of Conduct<sup>3</sup>

#### A. *Student Responsibilities*

1. Students are to hold one another accountable to the Honor Code. If a student observes another student(s) preparing to violate the Honor Code, the student should approach the other student and encourage him not to go through with the violation. If a student observes another student(s) in violation of the Honor Code, the student should approach the other student and encourage him to turn himself in to the instructor or the Dean of Faculty. In the event that a student asks another student to report himself and such student does not do so within a reasonable time, then the student is encouraged to report, as soon as practicable, the violation to the instructor of the course and/or the Dean of Faculty. The student should provide the name of such student or students involved, if known, and furnish such evidence as is available to support his charge.
2. Any student who violates the Honor Code is expected to report the violation to the instructor and/or the Dean of Faculty.

- B. Violations of the Honor Code (Note: Violations shall include committing, attempting to commit, or aiding and abetting others in committing any of the offenses outlined below.)

1. *Cheating on Exams*

During examinations, violations of the Honor Code shall include referring to information not specifically condoned by the instructor. It shall further include aiding another student without explicit permission from the instructor, or receiving information from a fellow student or another unauthorized source.

2. *Cheating on Assignments*

Regarding academic assignments, violations of the Honor Code shall include representing another's work or any part thereof, be it published or unpublished, as one's own. It shall also include presenting or submitting any academic work in a manner that impairs the instructor's ability to assess the student's academic performance. Plagiarism is the act of passing off as one's own the ideas or writings of another. It can include quoting, paraphrasing, summarizing, or utilizing the published or unpublished work of others without proper acknowledgement (e.g., failure to use quotation marks or other conventional markings around material quoted from any source, or failure to cite paraphrased ideas). Most frequently it involves the unacknowledged use of books or articles in periodicals, magazines, newspapers, or on the internet. However, any unacknowledged use of another's ideas constitutes plagiarism; this includes the use of, among other things, papers written by other students, interviews, radio or TV broadcasts, any published or unpublished materials (e.g., letters, pamphlets, leaflets, notes, or documents). Neither common knowledge nor an instructor's remarks need be cited as sources. Students are responsible for educating themselves as to the proper mode of attributing credit in any course or field. Note that plagiarism can be said to have occurred without any affirmative showing that a student's use of another's work was intentional.

3. *Unauthorized Use of Examinations*

Violations of the Honor Code shall include obtaining, distributing, or referring to a copy of an examination which the instructor/department has not authorized to be made available for such purpose.

4. *Denying Fair Access to Sources*

Violations of the Honor Code shall include any act that impedes the ability of other students to have fair access to materials assigned or suggested by the instructor. For example, unauthorized removal or destruction of library or other source materials violates the Honor Code.

5. *Tampering with Others' Work*

Academic dishonesty shall include tampering with another student's work or impairing in any way the instructor's ability to assess the academic performance of another student.

6. *Falsification of University Documents*

Violations of the Honor Code shall include alteration of grades or any other records related to the academic performance of students. This shall also include submitting any false records in order to gain admission to the University.

7. *Submitting Work for Multiple Purposes*

Students are not permitted to submit their own work (in identical or similar form) for multiple purposes without the prior and explicit approval of all faculty members to whom the work will be submitted. This includes work first produced in connection with classes at either Ave Maria University or other institutions attended by the student.

8. *Using False Citations*

False citation is academic fraud. False citation is the attribution of intellectual property to an incorrect or fabricated source with the intention to deceive. False attribution seriously undermines the integrity of the academic enterprise by severing a chain of ideas that should be traceable link by link.

9. *Submitting False Data*

The submission of false data is academic fraud. False data are data that have been fabricated, altered, or contrived in such a way as to be deliberately misleading.

10. *False Reporting of Attendance*

When attendance is taken, a student may not sign for another student who is not present.

11. *Assisting Others in Violating the Honor Code*

Violations of the Academic Honor Code shall include assisting, attempting to assist, or conspiring to assist another student in committing the offenses as outlined above.

12. *Failure to Report Violations*

Failure to report serious violations of the Honor Code may constitute a violation of the Honor Code.

13. *Failure to Comply with an Investigation*

Failure to comply with all reasonable and customary requests that arise within an investigation. This may include, but is not limited to, presenting false information, failure to attend meetings, expression of verbal or written hostility, etc.

#### IV. Faculty Responsibilities<sup>4</sup>

- A. When an instructor has reason to believe that a student has committed a violation of the Academic Honor Code in one of his or her classes, he or she should attempt to discuss the matter with the student to determine whether the violation has taken place and, if so, the degree of intent. During the meeting, the instructor will ask the student to sign a document indicating whether or not the student has violated the honor code. This document will be filed with academic affairs whether or not the matter is brought before the Honor Council.
- B. If, after communication with the student and with the student's accusers (if any), or at least attempting to do so, the instructor finds credible evidence of a significant and intentional violation of the Honor Code, the instructor will prepare a written report, containing all evidence of the violation, for the Dean of Faculty, and either calling for a failing grade for the course or recommending a Formal Warning. The instructor may also speak with the Dean of Faculty.
- C. If the Dean of Faculty, who may consult with the student(s) involved and with the instructor, deems that there is credible evidence of a significant and purposeful violation of the Honor Code, he or she will call a meeting of the Honor Council, which will hear the case, make a ruling on whether such a violation has indeed happened, and consider the penalty. In cases when the violation is not deemed significant and purposeful by the instructor and the Dean, the Dean may simply assign a Warning.

#### V. The Honor Council<sup>5</sup>

A. *The Council Members*

This Council consists of the Dean of Faculty, the Dean of Students, three faculty members appointed by the Dean of Faculty, and two members of the student body who serve one-year terms. The two members of the student body may be elected by the student body or may simply be elected members of the Student Government Association, and must be approved by the Dean of Faculty. The Dean of Faculty may appoint the student members if necessary.

B. *The Term*

The term of the council begins on the first day of the Fall and Spring semesters. The outgoing council shall have continuing jurisdiction over any matter that occurred before the end of its term unless it specifically assigns jurisdiction to the new council, on the approval of the new council.

C. *The Chair of the Panel*

The Dean of Faculty, or designate, will chair every meeting of the Honor Council. He or she shall vote only in case of a tie.

D. *Meetings of the Honor Council*

The Council will meet promptly, as needed, when called upon by the Chair.

## VI. Judicial Procedure of the Honor Council<sup>6</sup>

A. *The First Meeting of the Council*

1. The Chair will present the evidence to the Council. The Council may determine the penalty at the first meeting (keeping in mind the instructor's recommended penalty). In such a case, both the evidence against the student and the student's responses, if any, will be presented to the Council. The Council will vote on the penalty in accord with VI.B.4.d.ii.
2. If the student requests a formal hearing, then the Chair will set a date, time, and place for the hearing. The formal hearing is limited to the determination of guilt. The hearing shall occur within three weeks. At least 24 hours before the time set, the Chair shall give written notice of the schedule for the hearing to the accused, members of the Council, and anyone presenting evidence in support of the charge.

B. *The Formal Hearing (if necessary)*

1. During the course of the hearing, the accused shall have the following rights:
  - a. To be present in person during any hearing, provided that if the accused refuses to appear or fails to appear without just cause, the Council may proceed to hear and determine the matter.
  - b. To testify or to decline to testify; if the accused declines to testify, that fact shall not be considered as evidence in support of the charge.
  - c. To cross-examine witnesses.
  - d. To present evidence and witnesses.
2. All Council members must be present at the hearing. The Chair of the Honor Council shall have the power to appoint an alternate if a Council member cannot attend for just cause.
3. The Chair will bring the hearing to order, and will preside over the hearing so that it proceeds in an orderly and fair manner. Evidence and witnesses cannot be brought forward without the approval of the Chair.
4. The hearing shall proceed in this order:

- a. Evidence in support of the charge
- b. Evidence in rebuttal
- c. Cross-examination
- d. Honor Council's deliberation about whether the accused student has committed the violation charged (this deliberation shall be closed to all but the Council members).
  - i. After due deliberation, the Chair will bring the matter to a vote. All Council members (the Chair excepted other than in cases of ties) must vote; none may abstain.
  - ii. If the accused student is found innocent, the matter is closed. If the accused student is found guilty, the Council shall deliberate about the appropriate penalty. After due deliberation, the Chair will bring the matter to a vote, which will proceed in the same fashion as in (i).
- e. The penalty may be selected from the standard penalties contained in Section VII.

#### C. *The Judgment of the Honor Council*

1. The Honor Council shall make determination with respect to the student's guilt or innocence and additional academic penalties, if any. The Honor Council at its discretion can impose any of the below penalties. Appeals of the Honor Council's decisions can be made to the Vice President of Academic Affairs. All such appeals must be made in writing and within two weeks of the Honor Council's decision.
2. If the accused is found not guilty, the expectation is that the instructor of a course in which the violation was suspected will drop any sanctions originally imposed. The instructor may refuse to do so, but the student has the right to appeal the grade and the matter will be addressed according to procedures in place for handling student grade appeals.
3. The student shall have the right to continue in the course during the hearing procedures. Should no determination be made before the end of the term, the instructor shall record an appropriate grade to reflect the situation (i.e., to reflect the recommendation that he has made to the Dean of Faculty) until a final decision is made.
4. The Chair of the Honor Council (the Dean of Faculty) shall be responsible for reporting the decision to the student and the instructor.
5. No student found guilty of a violation shall be allowed to continue to serve in student government or in similar positions of authority.

### VII. Academic Penalties for Violations<sup>7</sup>

#### A. *Warning*

The formal Warning is appropriate in cases where the Council deems that a violation has occurred, but concludes that the violation was small and not major enough to warrant a more serious penalty. A student who receives more than one Warning may be suspended. The Warning is kept in the student's academic file, but not on his transcript. If the Council finds the person guilty and imposes solely the penalty of a Warning, the instructor may take into account the student's violation in formulating the student's final grade for the course.

B. *Failing Grade for the Course*

The faculty has determined that a failing grade for the course is appropriate in all cases where the violation was purposeful and significant. If the Honor Council determines that the violation was purposeful and significant, the student will be withdrawn from the course and will receive a failing grade for the course.

C. *Suspension*

In cases where a purposeful and significant violation has occurred, or where the person is a repeat offender, the Honor Council may suspend the student. Suspension carries with it the penalty of a failing grade for the course. Suspension will involve a separation from the University for a period of time specified by the Honor Council, not to exceed one year. During the period of suspension, a student is excluded from classes and all other University privileges or activities. At the conclusion of the period of suspension, the student will be permitted to return to the University on a probationary basis if the student has also met applicable readmission criteria.

D. *Dismissal*

In cases where a purposeful and significant violation has occurred, or in cases where the student is a repeat offender, the Honor Council may dismiss the student. If the student has previously received suspension, dismissal is the standard procedure. Dismissal is permanent.

E. Nothing in this code shall preclude the imposition of other reasonable sanctions or a combination of sanctions within the authority and discretion of the appropriate tribunal, including fines, work sanctions, or restitution where applicable. The Council may consider whether a student self-reported in the assignment of a penalty.

F. Records shall be maintained under the Office of the Dean of Faculty.

Approved July 1, 2003.

<sup>1</sup> This is not an original document, but rather is taken (either verbatim or in paraphrase) from the Honor Codes of the Catholic University of America, Davidson College, the Florida State University, and the University of Notre Dame School of Law. It often seemed best to employ, in matters of legal import, the wording used by established institutions.

<sup>2</sup> The Honor Code is paraphrased from Davidson College Honor Code. Numbers 5 and 6 of Section II are from the honor pledge of Duke University.

<sup>3</sup> Section A is drawn from the Florida State University Honor Code. In section B, the explanation of plagiarism is taken from the Catholic University of America Honor Code and from the Florida State University Honor Code. Numbers 3-7 are from the Florida State University Honor Code. Numbers 8-10 are from Georgetown University Honor Code.

<sup>4</sup> This section is drawn from the Florida State University Honor Code.

<sup>5</sup> This section is drawn from University of Notre Dame School of Law Honor Code.

<sup>6</sup> This section is drawn from the University of Notre Dame School of Law Honor Code and the Loyola College in Maryland Honor Code.

<sup>7</sup> This section is drawn from the Florida State University Honor Code and from the University of Notre Dame School of Law Honor Code.

# Accounting

The Accounting Major is offered within the Department of Business.

Chair of the Department of Business: Dr. Frank Shepard, Associate Professor of Finance

The Accounting Major prepares students for a career in one of the highest demand industries through excellent training in a rigorous course of study. Students will learn skills in financial and managerial accounting, cost accounting, accounting information systems, auditing, and tax preparation. They will broaden and deepen their minds through the Core Curriculum and strengthen their commitment to honesty and integrity.

There is a significant need for accounting skills in business as well as industry and the demand continues to increase which makes accounting professionals more competitive in the job market. Graduating students will be well prepared for employment in accounting firms are necessary or in start-up and existing for profit as well as nonprofit organizations that require support preparing financial statements and tax reports.

The Accounting major prepares students to become Certified Public Accountants if they choose. The major aims to sharpen their analytical skills, expand their vision with a sound view of the human person, and ground their actions in a strong ethical base, helping students grow as persons and professionals and making them attractive to potential employers.

## Student Learning Goals and Outcomes for the Major in Accounting

Goal 1: Students will become potential accountants who have been trained to see the world with a sound view of the human person and who have been given a strong ethical grounding for their actions.

Outcome 1: Students will learn from the Core Curriculum basic realities about God and the world, about man and his relationship with God and nature.

Goal 2: Students will acquire the ability and the habit of analytical thinking through a rigorous and demanding course of study in business and in accounting that will sharpen their intellectual skills.

Outcome 2: Students will demonstrate an understanding of the principles of accounting, federal taxation, auditing, cost accounting, and accounting information systems.

Outcome 3: Students will be able to demonstrate ability to evaluate the financial position of organizations using standard analytic tools of applied financial analysis.

Outcome 4: Students will understand the basic principles of both macroeconomics and microeconomics and apply those principles in a business context.

Outcome 5: Students will understand the basics of statistical reasoning and will be able to apply statistical analysis to realistic business problems.

Goal 3: Students will acquire mastery of the specific knowledge and skills of accounting, especially financial skills needed to support the financial management and tax/audit needs of new and existing businesses.



Outcome 6: Students will demonstrate an ability to apply and interpret accounting concepts in practical areas of tax, auditing, and accounting information systems.

Outcome 7: Students will demonstrate ability to use accounting information for better managerial decisions, financial statement analysis and AIS analysis.

Outcome 8: Students will be able to understand fundamental concepts and principles of management, including the basic roles, skills, and functions of management.

Outcome 9: Students will have a general understanding of the laws of the United States as they relate to business activities, operations and transactions.

Goal 4: Students will acquire job-market training, particularly through internships and professional formation that emphasize accounting skills, including financial management, auditing, and tax preparation.

Outcome 10: Students will be prepared for internships and the job market through career management workshops.

Outcome 11: Students will acquire business experience through an internship.

Outcome 12: Students will demonstrate effective oral and written communicative skills appropriate for business and professional settings/contexts.

## Required Courses for the Major

ACCT 201 Financial Accounting  
 ACCT 202 Managerial Accounting  
 ACCT 300 Cost Accounting  
 ACCT 301 Intermediate Accounting I  
 ACCT 302 Intermediate Accounting II  
 ACCT 311 Accounting Information Systems  
 ACCT 411 Auditing  
 ACCT 421 Federal Individual Taxation  
 BUSN 303 Management and Ethics  
 BUSN 340 Business Law I  
 BUSN 368 Quantitative Business Analysis  
 BUSN 490 Strategic Management/Business Capstone  
 ECON 201 Principles of Macroeconomics  
 ECON 202 Principles of Microeconomics  
 FINC 201 Fundamentals of Finance  
 MKTG 200 Marketing  
 STAT 230 Applied Statistics

## Certified Public Accountant (CPA) Exam

The Accounting major prepares students to become Certified Public Accountants if they choose. In Florida, to be permitted to take the CPA exam for the first time, a candidate must have successfully completed at least 120 semester hours of acceptable college credit as determined by the Florida Board of Accountancy, and must have earned at least a bachelor's degree or its international equivalent. Applicants for the examination must have completed 24 semester hours of upper

division business courses, 24 semester hours of upper division accounting education courses that includes 3 semester hours of Business Law with coverage of contracts, torts and UCC. The state of Florida also requires an additional 30 hours of coursework (for a total of 150 hours) and one year of work experience under the supervision of a CPA in order to become licensed after completion of the CPA Exam. To view a full list of requirements for taking the Uniform CPA Exam in Florida, please view the Florida Board of Accountancy's website.

Enrollment in upper-division accounting courses requires the declaration of the accounting major, the completion of 64 hours of college work with a minimum 2.5 GPA and the completion of any course-specific prerequisites. All upper-division business courses have specific prerequisites.

Note: ACCT 201 and ACCT 202 are pre-requisites to all other ACCT courses. ACCT 300 must be taken before (or concurrently with) ACCT 302.

Faculty advisors assist B.A. students while they are completing their Core education and business courses. Students are assigned to the Business faculty for advising upon declaration of the major.

## Minor in Accounting

The Minor in Accounting gives students exposure to one of the careers in highest demand. Students will learn the basics of the language of business in financial and managerial accounting. They will receive exposure to the manufacturing side in cost accounting and get hands on experience with QuickBooks in accounting information systems. From there, the choice is theirs to take 1 of the following: auditing, tax preparation or intermediate accounting.

Demand for the specific skills of the accountant is large and rising, making accounting professionals more competitive in the job market. The minor aims to give students insight into the analytical tools of accounting helping them grow as people and professionals and making them attractive to potential employers.

## Required Courses for the Minor

ACCT 201 Financial Accounting  
 ACCT 202 Managerial Accounting  
 ACCT 300 Cost Accounting  
 ACCT 311 Accounting Information Systems

## Elective Courses (one required):

ACCT 301 Intermediate Accounting  
 ACCT 411 Auditing  
 ACCT 421 Individual Taxation

## Course Descriptions

### ACCT 201 FINANCIAL ACCOUNTING

External uses of accounting information; interpretation of accounting data; analysis of financial statements; income and cash flow analysis; nature of assets and liabilities; understanding accounting reporting process. This will include an extensive introduction to the use of excel when working with financial statements. (4 credits)

**ACCT 202 MANAGERIAL ACCOUNTING**

Study of the use of accounting information for business decision making. Topics include: cost behavior analysis, cost-volume-profit relationships, and the identification of costs relevant to the decision-making process. Students are introduced to various cost system designs, standard costs, variable costing, operational budgeting, and decision making in decentralized business. Prerequisites: ACCT 201 with a grade of C or better; ECON 201 or ECON 202 (may be taken concurrently). (4 credits)

**ACCT 300 COST ACCOUNTING**

Accounting in manufacturing operations; cost concepts and classifications; cost accounting cycle; accounting for materials, labor and burden; process cost accounting; budgeting; standard costs; cost reports; direct costing and differential cost analysis. Prerequisites: ACCT 201 and ACCT 202 with grades of C or better; ECON 201 and ECON 202. (4 credits)

**ACCT 301 INTERMEDIATE ACCOUNTING I**

The first part of an in-depth study of the process of preparing and presenting financial information about an entity for outside users. Topics vary but typically include: standard setting; the accounting cycle including data accumulation, adjustments and preparation of financial statements; and valuation. There is a focus on the recognition, measurement and disclosure of revenue; inventory and cost of sales; and plant assets. Prerequisites: ACCT 201 and ACCT 202 with a grade of C or better. (4 credits)

**ACCT 302 INTERMEDIATE ACCOUNTING II**

The second part of an in-depth study of the process of preparing and presenting financial information about an entity for outside users. Topics vary but typically include analysis of recognition, measurement and disclosure of: equity investments, financing activities (bonded debt, leases, pensions), income taxes, stockholders' equity, specialized reporting problems and cash flow. Prerequisites: ACCT 300 (may be taken concurrently); ACCT 301. Must have a minimum 2.5 GPA in all ACCT 300 and ACCT 400 courses. (4 credits)

**ACCT 311 ACCOUNTING INFORMATION SYSTEMS**

Introduction to technology/accounting information systems and their interface with business processes, internal controls and database management systems. Emphasis on maintaining and auditing system security and integrity. Practical experience with a commercial accounting package and database management software. Prerequisites: ACCT 201, ACCT 202. Must have a minimum 2.5 GPA in all ACCT 300 and ACCT 400 courses. (4 credits)

**ACCT 411 AUDITING**

Introduction to auditing, the professional responsibilities of a career in any specialty of the accounting profession, and the investigation of accounting information. This is an introductory course in all aspects of the investigative process in auditing. Topics include evaluation in internal control, compliance testing, substantive testing, operational audits, statistical sampling and auditing EDP, the legal and ethical responsibilities of accountants; professional auditing standards; the acquisition, evaluation and documentation of audit evidence; reports on the results of the engagement. Prerequisites: ACCT 300, ACCT 301, ACCT 302. Must have a minimum 2.5 GPA in all ACCT 300 and ACCT 400 courses. (4 credits)

**ACCT 415 SPECIAL TOPICS**

The topics for this seminar may vary. They are determined by faculty and student interests. (4 credits)

**ACCT 421 FEDERAL INDIVIDUAL TAXATION**

Comprehensive introduction to the U.S. federal income tax system. Emphasizes the taxation of individuals but many topics also apply to business entities. Coverage includes technical tax rules and motivations behind these rules, as well as tax planning opportunities and limitations. Prerequisites: ACCT 201 and ACCT 202 with grades of C or better. (4 credits)

## Typical Plan—Accounting (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110 College Algebra           | 4              | THEO 105 Sacred Scripture           | 4              |
| Elementary Foreign Language        | 4              | Intermediate Foreign Language       | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| COMP 101 Composition               | 4              | ACCT 201 Financial Accounting       | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|----------------------------------|----------------|----------------------------------|----------------|
| THEO 205 Sacred Doctrine         | 4              | FINC 201 Fundamentals of Finance | 4              |
| PHIL 205 Nature and Person       | 4              | PHIL 206 Ethics                  | 4              |
| POLT 203 American Civilization   | 4              | ACCT 202 Managerial Accounting   | 4              |
| ECON 201 Principles of Macroecon | 4              | ECON 202 Principles of Microecon | 4              |
| Total                            | 16             | Total                            | 16             |

### Junior Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| ACCT 301 Intermediate Accounting I | 4              | ACCT 302 Intermediate Accounting II | 4              |
| ACCT 300 Cost Accounting           | 4              | BUSN 340 Business Law I             | 4              |
| Natural Science with Lab I         | 4              | Natural Science with Lab II         | 4              |
| STAT 230 Applied Statistics        | 4              | BUSN 368 Quantitative Bus Analysis  | 4              |
| Total                              | 16             | Total                               | 16             |

### Senior Year

| <u>Fall Semester</u>           | <u>Credits</u> | <u>Spring Semester</u>               | <u>Credits</u> |
|--------------------------------|----------------|--------------------------------------|----------------|
| General Elective               | 4              | THEO 315 or THEO 400                 | 4              |
| BUSN 303 Management and Ethics | 4              | BUSN 490 Strategic Management        | 4              |
| ACCT 311 Accounting IS         | 4              | MKTG 200 Marketing                   | 4              |
| ACCT 411 Auditing              | 4              | ACCT 421 Federal Individual Taxation | 4              |
| Total                          | 16             | Total                                | 16             |

# American Studies

Program Director: Dr. Seana Sugrue, Professor of Politics

American Studies is an interdisciplinary major that focuses on the principles of the American regime, the history of the American republic and the unique culture that emerges from American foundational principles. Courses are primarily drawn from the disciplines of politics and history, while also including courses in literature as well as other subjects when focused on American themes. Students who complete the major will demonstrate knowledge of the extent, aim, end, and structure of America's constitutional republic, the philosophic principles upon which it was founded, and the extra-political, cultural institutions that are part of its foundation.

## Student Learning Goals and Outcomes for the Major in American Studies

Goal 1: Upon graduation, students will possess knowledge of the normative principles and purposes of American politics, as well as of the factual operations of its systems of governance.

Outcome 1: Graduates will demonstrate knowledge of American Government, including its philosophic underpinnings, the United States Constitution, processes of government, and influential actors in American politics.

Goal 2: American Studies majors will be expected to demonstrate a mastery of the basic facts of American history.

Outcome 2: Graduates will demonstrate detailed knowledge of American history from the colonial era to the present.

Goal 3: The American Studies major seeks to cultivate in students the ability to express themselves well, both in speech and in prose.

Outcome 3: Students will be able to write an argumentative essay, exhibiting competence in invention, organization, and style.

Outcome 4: Graduates will demonstrate the ability to speak effectively in front of peers and make oral arguments.

## Required Courses for the Major

LITR 411 American Literature or any other Literature course dealing with American literature

POLT 203 American Civilization (Core Curriculum Requirement)

POLT 301 American Government

POLT 304 Constitutional Law

POLT 320 American Political Thought

POLT 490 Senior Seminar

Any 2 American history courses (in addition to POLT 203 American Civilization)

## 2 Electives in American Studies which may include:

HIST 415 American Legal History

POLT 305 Public Policy

POLT 307 The United States Presidency

POLT 314 U.S. Foreign Policy

\*With program director's approval, elective courses can be taken in any department where those courses have substantial context related to American Studies.

## Typical Plan—American Studies (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110, 120, 150, or 151         | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | POLT 203 American Civilization      | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| Elementary Foreign Language        | 4              | Intermediate Foreign Language       | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>       | <u>Credits</u> | <u>Spring Semester</u>    | <u>Credits</u> |
|----------------------------|----------------|---------------------------|----------------|
| PHIL 205 Nature and Person | 4              | PHIL 206 Ethics           | 4              |
| THEO 205 Sacred Doctrine   | 4              | American History Elective | 4              |
| Science I with Lab         | 4              | Science II with Lab       | 4              |
| General Elective           | 4              | General Elective          | 4              |
| Total                      | 16             | Total                     | 16             |

### Junior Year

| <u>Fall Semester</u>         | <u>Credits</u> | <u>Spring Semester</u>    | <u>Credits</u> |
|------------------------------|----------------|---------------------------|----------------|
| POLT 301 American Government | 4              | American History Elective | 4              |
| POLT 304 Constitutional Law  | 4              | American Studies Elective | 4              |
| General Elective             | 4              | General Elective          | 4              |
| General Elective             | 4              | General Elective          | 4              |
| Total                        | 16             | Total                     | 16             |

### Senior Year

| <u>Fall Semester</u>                | <u>Credits</u> | <u>Spring Semester</u>    | <u>Credits</u> |
|-------------------------------------|----------------|---------------------------|----------------|
| POLT 320 American Political Thought | 4              | POLT 490 Senior Seminar   | 4              |
| LITR 411 American Literature        | 4              | American Studies Elective | 4              |
| General Elective                    | 4              | THEO 400 Living in Christ | 4              |
| General Elective                    | 4              | General Elective          | 4              |
| Total                               | 16             | Total                     | 16             |

# Biochemistry

Chair: Dr. Antonio Barbosa, Assistant Professor of Chemistry

Interdisciplinarity is the hallmark of the biological sciences in the 21st century. In addition to a foundation in chemistry and biology, the Biochemistry major provides students with an understanding of the central elements of biochemistry and molecular biology. The Biochemistry program curriculum is designed to prepare the student for graduate school, medical school, or other professional programs of study. In addition, graduates should be highly competitive in the chemical, pharmaceutical, and biotechnology marketplace.

## Student Learning Goal and Outcomes for the Major in Biochemistry

**Goal:** Modern interdisciplinary challenges in the biological and chemical sciences require that the student be trained in a broad background of chemistry, biophysics, genetics and molecular biology. The Biochemistry major aims to provide a rigorous and modern introduction to the chemical and biochemical sciences in an environment that incorporates classroom teaching, class-associated laboratory experiences, an introduction to the scientific literature and an emphasis on independent research. Together, these strategies and opportunities foster the development of independent thinking and complex problem solving skills, along with the technical proficiency characteristic of the effective scientist in the biochemical sciences.

**Outcome 1:** Students will demonstrate the ability to reason effectively on the basis of accrued knowledge in biology, chemistry, mathematics and physics, drawing together concepts from across these disciplines to solve complex biochemical problems.

**Outcome 2:** Students will demonstrate an ability to relate biochemical events at the molecular level to the larger context of the cell and the organism.

**Outcome 3:** Students will demonstrate mastery of both the execution and understanding of major experimental techniques employed in biochemical inquiry.

**Outcome 4:** Students will demonstrate the ability to digest and critically analyze experimental data from the primary literature, with a particular emphasis on recognizing the strengths and limitations of particular data when drawing conclusions. Students will learn to appreciate how scientific models are constructed from raw data.

**Outcome 5:** Students will demonstrate an ability to communicate scientific knowledge, both orally and in writing, in registers appropriate to both fellow scientists and laypeople.

## Required Courses for the Major

(All courses are four credits unless otherwise noted.)

BICM 305 Biochemistry I with laboratory

BICM 306 Biochemistry II with laboratory

BIOL 211 Biology I with laboratory

BIOL 212 Biology II with laboratory

BIOL 303 Genetics with laboratory

BIOL 305 Molecular Biology with laboratory

CHEM 125 General Chemistry I with laboratory  
 CHEM 126 General Chemistry II with laboratory  
 CHEM 221 Organic Chemistry I with laboratory  
 CHEM 222 Organic Chemistry II with laboratory  
 PHYS 221 University Physics: Mechanics with laboratory  
 PHYS 222 University Physics: Materials with laboratory  
 MATH 151 Calculus I  
 STAT 230 Applied Statistics or MATH 231 Mathematical Statistics and Design of Experiments

### Elective Courses: (Eight credits are required.)

BICM 415 Advanced Topics in Biochemistry (2 credits)

Possible Topics Include

- Transcription Control of Gene Expression
- Biochemistry of Cancer
- Organic Mechanisms of Drug Action
- Advanced Structural Biology
- Biochemistry of Viral Action
- Advanced Biochemical Techniques (laboratory)
- Principles of Pharmacology and Pharmacokinetics
- Enzyme Kinetics and Mechanism
- Protein Trafficking
- Natural Products Biochemistry
- Bio-organic Chemistry

BICM 497 Directed Research (Variable credit)

### Course Descriptions

Course descriptions can be found under their major.

All science courses with a laboratory include a lab fee.

#### BICM 297 DIRECTED RESEARCH

Students will be instructed in laboratory and/or library research on a project currently being studied by one or more faculty members. Prerequisite: Faculty approval. (Variable credit)

#### BICM 305 BIOCHEMISTRY I: STRUCTURE, MECHANISM AND METABOLISM

An introduction to proteins, enzymes, carbohydrates, lipids, membranes, and the storage, transmission and expression of genetic information with an emphasis on the relationship of structure and function. Also included is a study of catabolism with primary focus on glycolysis, gluconeogenesis, glycogen metabolism, Krebs cycle, and oxidative phosphorylation (with laboratory). Prerequisites: BIOL 211, BIOL 212, CHEM 125, CHEM 126, CHEM 221, CHEM 222 (or concurrently), PHYS 221, PHYS 222 (or PHYS 211, PHYS 212) (may be taken concurrently). (4 credits)

#### BICM 306 BIOCHEMISTRY II: BIOPHYSICAL CHEMISTRY

An introduction to physical chemistry including principles and applications in the Biological Sciences. Topics include thermodynamics, kinetics, molecular orbital theory, inter/intramolecular interactions, and molecular spectroscopy methods. This course requires a minimum of Math 151 (with laboratory). Prerequisites: BIOL 211, BIOL 212, CHEM 125, CHEM 126, CHEM 221, CHEM 222, BICM 305, PHYS 221, PHYS 222 (PHYS 211 and PHYS 212 are not permitted), MATH 151. (4 credits)



**BICM 415 ADVANCED TOPICS IN BIOCHEMISTRY**

These are 1/2 semester modular courses designed to introduce the student to specific topics at the forefront of modern experimental biochemistry. An emphasis will be placed on the reading of the primary literature and modern methods of biochemical analysis. Possible topics may include transcriptional control of gene expression, the biochemistry of cancer, advanced structural biochemistry, biochemistry of viral action, advanced biochemical techniques (laboratory), bio-organic chemistry, mechanism of enzyme action, organic chemistry of drug action. Some prerequisites may be taken concurrently, see the Biochemistry program director for specific requirements. Prerequisites: BIOL 211, BIOL 212, CHEM 125, CHEM 126, CHEM 221, CHEM 222, BICM 305. (2 credits each)

**BICM 497 DIRECTED RESEARCH**

Students will be instructed in laboratory and/or library research on a project currently being studied by one or more faculty members. Prerequisite: Faculty approval. (Variable credit)

## Typical Plan—Biochemistry (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| CHEM 125 General Chemistry I       | 4              | CHEM 126 General Chemistry II       | 4              |
| MATH 151 Calculus I                | 4              | PHYS 221 University Phys: Mechanics | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| LATN 101 Elementary Latin*         | 4              | LATN 102 Intermediate Latin*        | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>         | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------|----------------|-------------------------------------|----------------|
| CHEM 221 Organic Chemistry I | 4              | CHEM 222 Organic Chemistry II       | 4              |
| BIOL 211 Biology I           | 4              | PHYS 222 University Phys: Materials | 4              |
| THEO 105 Sacred Scripture    | 4              | THEO 205 Sacred Doctrine            | 4              |
| COMP 101 Composition         | 4              | BIOL 212 Biology II                 | 4              |
| Total                        | 16             | Total                               | 16             |

### Junior Year

| <u>Fall Semester</u>           | <u>Credits</u> | <u>Spring Semester</u>     | <u>Credits</u> |
|--------------------------------|----------------|----------------------------|----------------|
| BIOL 303 Genetics              | 4              | BICM 306 Biochemistry II   | 4              |
| BICM 305 Biochemistry I        | 4              | BIOL 305 Molecular Biology | 4              |
| PHIL 205 Nature and Person     | 4              | PHIL 206 Ethics            | 4              |
| POLT 203 American Civilization | 4              | STAT 230 or MATH 231       | 4              |
| Total                          | 16             | Total                      | 16             |

### Senior Year

| <u>Fall Semester</u>                  | <u>Credits</u> | <u>Spring Semester</u>                | <u>Credits</u> |
|---------------------------------------|----------------|---------------------------------------|----------------|
| BICM 415 Module A                     | 2              | BICM 415 Module C                     | 2              |
| BICM 415 Module B                     | 2              | BICM 415 Module D                     | 2              |
| THEO 390 or THEO 400                  | 4              | General Elective                      | 4              |
| General Elective                      | 4              | General Elective                      | 4              |
| General Elective                      | 4              | General Elective                      | 4              |
| BICM 497 Directed Research (elective) |                | BICM 497 Directed Research (elective) |                |
| Total                                 | 16             | Total                                 | 16             |

\* Latin is recommended, but not required. Some Med School programs require Spanish.

## Pre-medicine program in the Department of Chemistry and Physics

The pre-medicine program is designed to offer a complete academic preparation for medical school. Recommended majors for students interested in pre-medicine include Biochemistry (B.A.), Biology (B.S. or B.A.)†, or Health Science (B.A.)†, although other academic majors are usually acceptable as long as the appropriate pre-requisites\* for a given medical school are completed. Students are encouraged to explore the ethical, moral and social implications of modern medicine and technology from a Catholic perspective and should consider taking THEO 390 Catholic Bioethics.

Multiple upper level Biology and Chemistry classes are strongly recommended. Classes include Genetics, Molecular Biology, Biochemistry, some BICM 415 Biochemistry modules, and Anatomy and Physiology I and II. In preparation for the MCAT examination, minimal requirements should be completed by the end of the junior year. A variety of other supplementary programs, seminars, and lectures are offered.

## Minimal Pre-medicine Requirements

BIOL 211 Biology I with laboratory

BIOL 212 Biology II with laboratory

BIOL 303 Genetics

CHEM 125 General Chemistry I with laboratory

CHEM 126 General Chemistry II with laboratory

CHEM 221 Organic Chemistry I with laboratory

CHEM 222 Organic Chemistry II with laboratory

CHEM 301 Introductory Biochemistry I

MATH 150 Functions; MATH 151 Calculus

PHYS 211 College Physics I with laboratory

PHYS 212 College Physics II with laboratory

PSYC 201 Principles and Methods of Psychology

STAT 230 Applied Statistics

## Recommended Pre-medicine Courses

At least 8 upper level credits (300 and above) of Biochemistry or Biology courses are required for most medical school admissions. The following courses are recommended to fulfill this requirement, and all are recommended to aid in taking the MCAT:

BICM 305 Biochemistry 1: Structure, Mechanism and Metabolism

BICM 306 Biochemistry II: Biophysical Chemistry

BICM 415 (carries by topic. Examples of relevant modules are Chemistry and Mechanism of Enzyme Action, Biochemistry of HIV, Biochemistry in drug discovery, and Biochemistry of Cancer)

BIOL 304 Anatomy and Physiology I

BIOL 305 Molecular Biology

BIOL 309 Anatomy and Physiology II

BIOL 401 Microbiology

†For those intending to major in Biochemistry, please see the Biochemistry Degree section of the catalogue for a sample pre-med track.

\*Admission requirements vary by institution. It is highly recommended that students check the requirements of the schools which they are considering.

## Sample Pre-Medicine Plan—Biochemistry (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| CHEM 125 General Chemistry I       | 4              | CHEM 126 General Chemistry II       | 4              |
| BIOL 211 Biology I                 | 4              | BIOL 212 Biology II                 | 4              |
| MATH 151 Calculus I                | 4              | CORE 102 Western Civ and Culture II | 4              |
| CORE 101 Western Civ and Culture I | 4              | THEO 105 Sacred Scripture           | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>                | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|-------------------------------------|----------------|-------------------------------------|----------------|
| CHEM 221 Organic Chemistry I        | 4              | CHEM 222 Organic Chemistry II       | 4              |
| PHYS 221 University Phys: Mechanics | 4              | PHYS 222 University Phys: Materials | 4              |
| STAT 230 Statistics                 | 4              | PSYC 201 Principles Methods Psych   | 4              |
| COMP 101 Composition                | 4              | PHIL 205 Nature and Person          | 4              |
| Total                               | 16             | Total                               | 16             |

### Junior Year

| <u>Fall Semester</u>              | <u>Credits</u> | <u>Spring Semester</u>             | <u>Credits</u> |
|-----------------------------------|----------------|------------------------------------|----------------|
| BICM 305 Biochemistry I           | 4              | BICM 306 Biochemistry II           | 4              |
| BIOL 303 Genetics                 | 4              | BIOL 305 Molecular Biology         | 4              |
| BIOL 304 Anatomy and Physiology I | 4              | BIOL 309 Anatomy and Physiology II | 4              |
| LATN 101 or SPAN 101*             | 4              | LATN 102 or SPAN 102*              | 4              |
| Total                             | 16             | Total                              | 16             |

### Senior Year

| <u>Fall Semester</u>                   | <u>Credits</u> | <u>Spring Semester</u>                 | <u>Credits</u> |
|--|----------------|--|----------------|
| BICM 415 Module A                      | 2              | BICM 415 Module C                      | 2              |
| BICM 415 Module B                      | 2              | BICM 415 Module D                      | 2              |
| PHIL 206 Ethics                        | 4              | POLT 203 American Civilization         | 4              |
| THEO 205 Sacred Doctrine               | 4              | THEO 390 or THEO 400                   | 4              |
| General Elective                       | 4              | General Elective                       | 4              |
| BICM 497# Directed Research (elective) |                | BICM 497# Directed Research (elective) |                |
| Total                                  | 16             | Total                                  | 16             |

\*Latin is recommended, but not required. Some Med School programs require Spanish.

#Research is recommended for Pre-Medicine Students.

# Biology

Chair: Dr. Nicholas Curtis, Associate Professor of Biology

The study of science is born from the conviction of the fundamental intelligibility of the world. Science at Ave Maria University testifies to the Catholic Church's confidence in human reason's ability to know the truth about God's creation even apart from the illuminating power of grace. The natural sciences are not simply technological disciplines, but are truly liberal arts education in which we seek to know truth for its own sake. By enabling us to enter the simultaneous complexity and simplicity of physical reality, science instills within the students a deep sense of wonder at the natural universe. All students take at least two semesters of natural science as part of their Core Curriculum in the liberal arts education. These courses train their minds to think critically and allow them to understand more of the world that is a dim reflection of its Creator.

The Biology major is designed to provide a comprehensive study in several areas of modern biology, molecular biology and biochemistry. This major will serve as excellent preparation for graduate school, medical school, nursing, dentistry, veterinary medicine, or for employment in research laboratories, clinical laboratories or science education. All courses should be taken in numerical order. If prerequisites are required they are identified within the course description. In addition to the general Core Curriculum requirements, the courses listed below are required.

Students with an interest in biology as a potential major are strongly encouraged to speak with a biology faculty advisor before beginning their freshman year.

## Student Learning Goals and Outcomes for the B.A. in Biology

Goal 1: Through broad offerings in the biological, chemical and physical sciences students will have a foundational understanding of biological systems at the molecular, organismal and ecological levels. Students will have a fundamental understanding of experimental design, execution and interpretation. Students will be introduced to research, reading and interpretation of scientific literature.

Outcome 1: Major students will demonstrate a broad training and education in the biological sciences including the integration of concepts and techniques as well as the development of complex problem solving skills.

Outcome 2: Students will demonstrate mastery of skills common to laboratory experimentation in the biological disciplines.

Outcome 3: Students will demonstrate proficiency in understanding and use of the scientific literature as a tool for research and scholarship.

Outcome 4: Students will demonstrate a foundation in critical thinking skills related to the sciences, including the fundamentals of scientific inquiry, critical analysis of experimental data, and communication of results (oral and written).

## Required Courses for the B.A. in Biology

BIOL 211 Biology I Cellular and Molecular Biology

BIOL 212 Biology II Organismal and Population Biology

BIOL 220 Zoology

BIOL 230 Botany

BIOL 303 Genetics  
BIOL 413 Critical Analysis II or BIOL 497 Directed Research  
CHEM 125 General Chemistry I  
CHEM 126 General Chemistry II

### 16 Biology elective credits from among the following courses:

BIOL 105 Environmental Science I  
BIOL 106 Environmental Science II  
BIOL 200 Nutrition  
BIOL 240 General Ecology (with laboratory)  
BIOL 241 General Ecology (without laboratory)  
BIOL 250 Health and Wellness  
BIOL 304 Anatomy and Physiology I  
BIOL 305 Molecular Biology  
BIOL 306 Basic and Clinical Pharmacology  
BIOL 307 Marine Biology  
BIOL 309 Anatomy and Physiology II  
BIOL 310 General and Chemical Oceanography  
BIOL 321 Tropical Ecology and Field Biology  
BIOL 340 Conservation Biology  
BIOL 401 Microbiology  
BIOL 402 Microbiological Ecology  
BIOL 403 Animal Physiology  
BIOL 404 General Virology  
BIOL 407 Marine Zoology  
BIOL 408 Marine Botany  
BIOL 438 Aquatic Ecology  
EXER 270 Kinesiology and Biomechanics  
EXER 300 Exercise Physiology

### Student Learning Goals and Outcomes for the B.S. in Biology

Goal: Through broad offerings in the biological, chemical and physical sciences students will have a foundational understanding of biological systems at the molecular, chemical, organismal and ecological levels. Upon graduation students will have a fundamental understanding of experimental design, execution and interpretation and will be introduced to research, reading and interpretation of scientific literature.

Outcome 1: Students will demonstrate knowledge in the biological, chemical, and physical sciences.

Outcome 2: Students will apply practices common to laboratory experimentation in the biological disciplines.

Outcome 3: Students will demonstrate proficiency in understanding and use of the scientific literature as a tool for research and scholarship.

Outcome 4: Students will demonstrate proficiency of the fundamental laws and principles in physics and chemistry.

Outcome 5: Students will demonstrate the ability to apply critical thinking skills related to the sciences, including the fundamentals of scientific inquiry, critical analysis of experimental data, and communication of results (oral and written).

### Required Courses for the B.S. in Biology

BIOL 211 Biology I Cellular and Molecular Biology  
BIOL 212 Biology II Organismal and Population Biology  
BIOL 220 Zoology  
BIOL 230 Botany  
BIOL 303 Genetics  
BIOL 305 Molecular Biology or BIOL 410 Cell Biology  
BIOL 401 Microbiology  
BIOL 413 Critical Analysis II or BIOL 497 Directed Research

### 12 Biology elective credits from among the following courses:

BIOL 105 Environmental Science I  
BIOL 106 Environmental Science II  
BIOL 200 Nutrition  
BIOL 240 General Ecology (with laboratory)  
BIOL 241 General Ecology (without laboratory)  
BIOL 250 Health and Wellness  
BIOL 304 Anatomy and Physiology I  
BIOL 305 Molecular Biology  
BIOL 306 Basic and Clinical Pharmacology  
BIOL 307 Marine Biology  
BIOL 309 Anatomy and Physiology II  
BIOL 310 General and Chemical Oceanography  
BIOL 321 Tropical Ecology and Field Biology  
BIOL 340 Conservation Biology  
BIOL 402 Microbiological Ecology  
BIOL 403 Animal Physiology  
BIOL 404 General Virology  
BIOL 407 Marine Zoology  
BIOL 408 Marine Botany  
BIOL 410 Cell Biology  
BIOL 438 Aquatic Ecology  
EXER 270 Kinesiology and Biomechanics  
EXER 300 Exercise Physiology

### Other Required Classes for the B.S. in Biology

CHEM 125 General Chemistry I  
CHEM 126 General Chemistry II  
CHEM 221 Organic Chemistry I  
PHYS 211 College Physics I or PHYS 212 College Physics II

## Minor in Biology

The Biology minor allows students majoring in another discipline to develop familiarity with the biological sciences. The Biology minor program consists of six courses in biology including BIOL 211 (with laboratory), BIOL 212 (with laboratory), and four additional biology courses coded 200-level or higher.

## Course Descriptions

All science courses with a laboratory include a lab fee.

### BIOL 100 MEDICAL TERMINOLOGY

This course is the study of medical terminology, the language of medicine, focusing on prefixes, suffixes, word roots and their combining forms by review of each body system and specialty area. It also emphasizes word construction, spelling, usage, comprehension, and pronunciation. In addition, students gain information regarding anatomy and physiology, symptomatology, pathology, diagnostic/surgical procedures, pharmacology, and medical abbreviations. (1 credit)

### BIOL 105 ENVIRONMENTAL SCIENCE I

A study of ecological relationship between organisms. The course will approach topics such as air and water pollution, and other current environmental problems from a biological perspective. This course satisfies one of the laboratory science requirements for non-science majors (with laboratory, fee of \$157 applies to cover cost of field trips). (4 credits)

### BIOL 106 ENVIRONMENTAL SCIENCE II

The course introduces the student to environmental principles with a focus on South Florida. Students will learn to apply the environmental principles to explain the processes that have influenced the existence of plants and animals within South Florida from ancient to present times. The main biological and physical features of South Florida as a whole and which distinguish its diverse environments will be described and explained. The course will analyze how humans have used and impacted the different environments of South Florida since the times of their earliest occupation of the region. Students will participate in discussions of current debates of environmental issues concerning South Florida (with laboratory, fee of \$157 applies to cover cost of field trips). Prerequisite: BIOL 105. (4 credits)

### BIOL 200 NUTRITION

Science of nutrition that focuses on knowledge of chemical structure, dietary sources, requirements, functions, digestion, absorption, transportation, utilization, and excretion of essential nutrients and other substances. Health topics include wellness, obesity, eating disorders, sports nutrition, prevention of chronic disease, nutrients and nutritional needs across the lifespan, issues facing society including food safety, biotechnology, use of supplements and botanicals. (3 credits)

### BIOL 201 CONCEPTS IN BIOLOGY I

Designed for non-majors. An introduction to the study of living systems focusing on molecular and cellular biology (with laboratory). (4 credits)

### BIOL 202 CONCEPTS IN BIOLOGY II

Designed for non-majors. An introduction to the biology of organism physiology, anatomy, population dynamics, evolution and ecology (with laboratory). (4 credits)

### BIOL 203 INTRODUCTION TO MICROBIOLOGY

Focuses on structure, classification and physiology of microorganisms with an emphasis on bacterial organisms. Infection, immunity and the control of microorganisms are also covered. The role of microorganisms in the environment and economy



are discussed. Laboratory exercises include an emphasis on sterile techniques, staining, microorganism culturing techniques, biochemical analysis, specimen handling and sampling and the identification of unknowns. (4 credits)

#### **BIOL 211 BIOLOGY I CELLULAR AND MOLECULAR BIOLOGY**

An introduction to the study of living systems illustrated by examples drawn from cell biology, biochemistry, genetics, microbiology, neurology and developmental biology (with laboratory). (4 credits)

#### **BIOL 211H BIOLOGY I CELLULAR AND MOLECULAR BIOLOGY – HONORS**

Designed for exceptional students and those in the Honors program. An introduction to the study of living systems illustrated by examples drawn from cell biology, biochemistry, genetics, microbiology, neurology and developmental biology (with laboratory). Prerequisite: Honors Program. (4 credits)

#### **BIOL 212 BIOLOGY II ORGANISMAL AND POPULATION BIOLOGY**

Introduction to the study of organisms emphasizing morphology and physiology, behavior, ecology, and evolution of whole organisms and populations (with laboratory). Prerequisite: BIOL 211. (4 credits)

#### **BIOL 212H BIOLOGY II ORGANISMAL AND POPULATION BIOLOGY – HONORS**

Designed for exceptional students and those in the Honors program. Introduction to the study of organisms emphasizing morphology and physiology, behavior, ecology, and evolution of whole organisms and populations (with laboratory). Prerequisites: BIOL 211H, Honors Program. (4 credits)

#### **BIOL 220 ZOOLOGY**

This course provides an introduction to the classification, relationships, structure, and function of major animal phyla. Emphasis is on levels of organization, reproduction and development, comparative systems, and a survey of selected phyla. Upon completion, students should be able to demonstrate comprehension of animal form and function, including comparative systems of selected groups. Laboratory exercises include microscope observations and dissections to reinforce topics discussed in lecture (with laboratory). Prerequisite: BIOL 211, BIOL 212. (4 credits)

#### **BIOL 230 BOTANY**

This course is an overview of plant science. Plant structure and function is considered, as well as plant evolution, ecology, and importance to man. Laboratory includes techniques of microscopy, examination of plant tissues, experiments in physiology, and consideration of the several plant groups (with laboratory). Prerequisite: BIOL 211, BIOL 212. (4 credits)

#### **BIOL 240 GENERAL ECOLOGY**

An introduction to the interactions between living organisms and their physical, chemical and biological environment. Several levels of ecological organization are examined. These include the study of different types of populations, communities and ecosystems. Topics include population structure and growth, species interaction, energy flow, nutrient cycling, succession, and applications to current environmental management issues. Students perform ecological experiments in the field as well as in the laboratory (with laboratory). Prerequisites: BIOL 211 and BIOL 212. (4 credits)

#### **BIOL 241 GENERAL ECOLOGY (without lab)**

An introduction to the interactions between living organisms and their physical, chemical and biological environment. Several levels of ecological organization are examined. These include the study of different types of populations, communities and ecosystems. Topics include population structure and growth, species interaction, energy flow, nutrient cycling, succession, and applications to current environmental management issues. Prerequisites: BIOL 211 and BIOL 212. (4 credits)

**BIOL 250 HEALTH AND WELLNESS**

This course provides a comprehensive overview of health and wellness and emphasizes the importance of knowledge, attitudes, and practices relating to personal health and wellness. The impact of lifestyle choices on all aspects of personal health are discussed including physical, mental, emotional, social, and environmental. The course will explore topics related to nutrition, physical fitness, stress and weight management, disease prevention, substance abuse, and healthy relationships. The information and skills necessary for making informed and healthful decisions to promote wellness will be discussed with an emphasis on self-responsibility. (3 credits)

**BIOL 297 DIRECTED RESEARCH**

Students will be instructed in laboratory and/or library research on a project currently being studied by one or more faculty members. Prerequisite: Faculty approval. (Variable credit)

**BIOL 303 GENETICS**

Study of the principles of heredity in animals and plants, including the contemporary understanding of genes and gene mechanisms. Laboratory exercises will be used to elucidate genetic principles (with laboratory). Prerequisites: BIOL 211. (4 credits)

**BIOL 304 ANATOMY AND PHYSIOLOGY I**

A systematic analysis of the structure and function of organisms, with special emphasis on the human body. The fundamental processes of body defense, nervous function, hormones, respiration, circulation, blood and lymph, muscles, digestion, and excretion will be introduced (with laboratory). Prerequisite: BIOL 201 or BIOL 203 or BIOL 211 recommended. (4 credits)

**BIOL 305 MOLECULAR BIOLOGY**

Designed to explore the biology and molecular regulation of gene expression and other cell functions. Other topics include the nature, control, recombination and rearrangement of genes, gene manipulation, and recombinant DNA techniques (with laboratory). Prerequisites: BIOL 211, BIOL 303. (4 credits)

**BIOL 306 BASIC AND CLINICAL PHARMACOLOGY**

A study of the actions and uses of a range of clinically important drugs with an emphasis on their mechanism of action. The course will provide the basics of pharmacokinetics, and of pharmacodynamics. Prerequisites: BIOL 211, BIOL 212, CHEM 125, CHEM 126. (4 credits)

**BIOL 307 MARINE BIOLOGY**

A general survey of the invertebrates, vertebrates, and marine plant communities with emphasis on local examples of these principal groups. Students examine estuarine beach, inlet and neritic habitat, and niches. Lecture, laboratory, and field-work are included. Prerequisites: BIOL 211, BIOL 212. (4 credits)

**BIOL 309 ANATOMY AND PHYSIOLOGY II**

An advanced systematic analysis of the structure and function of organisms, with special emphasis on the human body. The fundamental processes of body defense, nervous function, hormones, respiration, circulation, blood and lymph, muscles, digestion, and excretion will be examined at an advanced level. Prerequisite: BIOL 304. (4 credits)

**BIOL 310 GENERAL AND CHEMICAL OCEANOGRAPHY**

The science of oceanography is concerned with the systematic study of the oceans and the processes occurring in them. In this course students will be introduced to important fundamental concepts of the marine processes. The history of human interaction with the oceans and the development of marine science will be introduced with further details on tectonic processes that have created the ocean basin. Understanding the motions of currents, waves, tides will be pointed out. Heavy emphasis will be laid on the chemical properties of the water filling the ocean basins. The chemical oceanography course

will focus on the inorganic and organic chemistry (compounds) of (in) seawater. The purpose of this course is to give an account of the chemistry of sea water and its bearing on marine biology and sedimentary geochemistry. In particular the salinity, chlorinity, the physical properties of the sea water will be pointed out, with heavy emphasis on presence of major, minor and micronutrients in the seawater. Moreover dissolved gases, dissolved and particulate organic compounds and their contribution to marine environment will be studied in detail together with marine sediments and their analysis. Variation in seawater composition with depth and latitude and their influence on marine environment will be emphasized. Finally, the major contributors of seawater pollution and the principles of geochemistry will be presented. Prerequisites: BIOL 211, BIOL 212, CHEM 125. (4 credits)

#### BIOL 321 TROPICAL ECOLOGY AND FIELD BIOLOGY

The relationship of organisms to each other and to their environment, structure, and distribution of plant and animal communities, and the ecology of populations. This course is primarily field based; fee of \$157 applies to cover cost of field trips. Prerequisites: BIOL 211, BIOL 212. (4 credits)

#### BIOL 340 CONSERVATION BIOLOGY

Conservation biology is the science of preserving biodiversity and sustaining the earth. It is a synthetic discipline that draws upon the fields of ecology, evolution, genetics, philosophy, economics, sociology, and political science. The goal of conservation biology is the development of strategies for preserving populations, species, biological communities, and entire ecosystems. The major threat to these biological entities is the growing human population and our impact on the environment. Conservation biologists attempt to bring scientific principles and theory to bear on problems of management for preserving the richness of life on earth. In this class, we will examine human impact on biodiversity and the earth. We will also examine the contributions of theoretical biology to conservation biology. Furthermore, we will use case studies to survey the possibilities and the problems of applying conservation principles in the real world. Prerequisites: BIOL 211, BIOL 212. (4 credits)

#### BIOL 400 SPECIAL TOPICS SEMINAR IN BIOLOGY AND MEDICINE

A seminar exploring current and important topics in medical biology, medicine, bioethics, and offering practical guidance and advice for those interested in pursuing careers in the health sciences. Fee of \$157 applies to cover cost of field trips (Pass/Fail, 0 credits)

#### BIOL 401 MICROBIOLOGY

A general study of microorganisms (bacteria and fungi), emphasizing morphology, physiology, ecological relationships, and the nature of disease and its control. Consideration is also given to viruses (with laboratory). Prerequisites: BIOL 211, BIOL 212, BIOL 303. (4 credits)

#### BIOL 402 MICROBIOLOGICAL ECOLOGY

A study of the interactions between microbes and their environments. Discussion includes the physiological ecology of microorganisms (effects of physical parameters on microbial distribution and activities in nature), dispersal mechanisms in nature, associations with higher organisms, and the role of man in manipulating microbial activities. Prerequisites: BIOL 211, BIOL 212, BIOL 303. (4 credits)

#### BIOL 403 ANIMAL PHYSIOLOGY

Animal Physiology is a survey of the function of all animals. Functions will be examined using a comparative approach from molecular and cellular scales to tissues, organ systems, and whole organisms. Topics to be addressed include cellular processes, osmoregulation, energy metabolism, tissue function, muscle function, feeding and digestion, thermal relations, neurons and synapses, endocrine function, circulation and transport, excretion, sensation, and other topics covered in the

accompanying textbook. Learning the material involves memorization of terminology and facts, but also mastering concepts, thinking critically, and synthesizing facts and concepts. Prerequisites: BIOL 211, BIOL 303. (4 credits)

#### BIOL 404 GENERAL VIROLOGY

This course explores virology, which is the study of viruses that infect all manner of life on earth. We will focus on animal viruses and those that impact human health. Important discoveries from viruses that infect microbes, plants, and non-human animals will be included. The course will focus on the molecular and cell biology of viruses, covering aspects of protein structure, biochemical reactions, molecular interactions, and infection at the levels of the host cell, the host organism, and the host population. The course will include an overview of how our immune system defends us against viral pathogens, and how antiviral drugs and vaccines augment these defenses. Prerequisites: BIOL 211, BIOL 212, BIOL 303. (4 credits)

#### BIOL 407 MARINE ZOOLOGY

This course is an in depth study of animal life in aquatic environments, from microscopic zooplankton to invertebrates, to fishes, to marine reptiles and mammals. This course focuses on the life histories, ecological roles, physiological adaptations, and behavior of marine animals. Students will also explore the importance of various fisheries and how overexploitation and human activities impact marine life. Prerequisites: BIOL 211, BIOL 220. (4 credits)

#### BIOL 408 MARINE BOTANY

This course carefully examines marine plant life, including microscopic phytoplankton, macroalgae, coastal plant systems like salt marshes and mangroves, and submerged flowing plants like sea grasses. The course will focus on structural adaptations, life histories, ecological roles, physiological adaptations, and the identification of marine flora. This course also has a field component to introduce sampling, measuring, and surveying marine plant communities. Prerequisites: BIOL 211, BIOL 230. (4 credits)

#### BIOL 410 CELL BIOLOGY

The cell is a fascinating, complex, and dynamic unit that forms the fundamental basis of unicellular and multicellular life. Cells are constantly engaging with their environment and making active decisions, and we will dissect these cellular processes. Topics include: signal transduction, membrane dynamics, vesicle transport, cytoskeleton dynamics, cell migration, cell cycle, stem cells, and mechanisms of gene expression regulation. Prerequisites: BIOL 211, BIOL 212, BIOL 303. (3 credits)

#### BIOL 413 CRITICAL ANALYSIS II

A course designed to build on the skills introduced in BIOL 213 where students research, read, analyze, and discuss the biological and biochemical literature. This course will involve primarily student presentations and analysis. This course is required for all Biology majors. Prerequisites: Senior standing, BIOL 211, BIOL 303, Senior Standing. (1 credit)

#### BIOL 415 SPECIAL TOPICS IN BIOLOGY

Various topics will be offered as needed including courses such as Ecology, Cancer Biology, Developmental Biology, and Cell Biology. Prerequisite: Varies with topic. (4 credits)

#### BIOL 438 AQUATIC ECOLOGY

A basic understanding of the biota of freshwater, marine, estuarine environments, the functional relationships of organisms to each other, and the dynamics of their environments. This course is primarily field based. Prerequisites: BIOL 211, BIOL 212. (4 credits)

#### BIOL 497 DIRECTED RESEARCH

Students will be instructed in laboratory and/or library research on a project currently being studied by one or more faculty members. Prerequisite: Faculty approval. (Variable credit)

## Typical Plan—Biology (B.A.)

### Freshman Year

| Fall Semester              | Credits | Spring Semester              | Credits |
|----------------------------|---------|------------------------------|---------|
| MATH 150 or MATH 151       | 4       | THEO 105 Sacred Scripture    | 4       |
| BIOL 211 Biology I         | 4       | BIOL 212 Biology II          | 4       |
| COMP 101 Composition       | 4       | General Elective             | 4       |
| LATN 101 Elementary Latin* | 4       | LATN 102 Intermediate Latin* | 4       |
| Total                      | 16      | Total                        | 16      |

### Sophomore Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| CHEM 125 General Chemistry I       | 4       | CHEM 126 General Chemistry II       | 4       |
| BIOL 230 Botany                    | 4       | BIOL 220 Zoology                    | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| THEO 205 Sacred Doctrine           | 4       | POLT 203 American Civilization      | 4       |
| Total                              | 16      | Total                               | 16      |

### Junior Year

| Fall Semester              | Credits | Spring Semester  | Credits |
|----------------------------|---------|------------------|---------|
| Biology Elective           | 4       | Biology Elective | 4       |
| BIOL 303 Genetics          | 4       | Biology Elective | 4       |
| PHIL 205 Nature and Person | 4       | PHIL 206 Ethics  | 4       |
| General Elective           | 4       | General Elective | 4       |
| Total                      | 16      | Total            | 16      |

### Senior Year

| Fall Semester              | Credits | Spring Semester      | Credits |
|----------------------------|---------|----------------------|---------|
| THEO 400 Living in Christy | 4       | BIOL 413 or BIOL 497 | 1       |
| Biology Elective           | 4       | General Elective     | 4       |
| General Elective           | 4       | General Elective     | 4       |
| General Elective           | 4       | General Elective     | 4       |
|                            |         | General Elective     | 3       |
| Total                      | 16      | Total                | 16      |

\*Latin is recommended, but not required, for the Biology major.

## Typical Plan—Biology (B.S.)

### Freshman Year

| <u>Fall Semester</u>       | <u>Credits</u> | <u>Spring Semester</u>       | <u>Credits</u> |
|----------------------------|----------------|------------------------------|----------------|
| MATH 150 or MATH 151       | 4              | THEO 105 Sacred Scripture    | 4              |
| BIOL 211 Biology I         | 4              | BIOL 212 Biology II          | 4              |
| COMP 101 Composition       | 4              | General Elective             | 4              |
| LATN 101 Elementary Latin* | 4              | LATN 102 Intermediate Latin* | 4              |
| Total                      | 16             | Total                        | 16             |

### Sophomore Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| CHEM 125 General Chemistry I       | 4              | CHEM 126 General Chemistry II       | 4              |
| BIOL 230 Botany                    | 4              | BIOL 220 Zoology                    | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| THEO 205 Sacred Doctrine           | 4              | POLT 203 American Civilization      | 4              |
| Total                              | 16             | Total                               | 16             |

### Junior Year

| <u>Fall Semester</u>         | <u>Credits</u> | <u>Spring Semester</u> | <u>Credits</u> |
|------------------------------|----------------|------------------------|----------------|
| BIOL 303 Genetics            | 4              | BIOL 401 Microbiology  | 4              |
| PHYS 211 or PHYS 221         | 4              | BIOL 305 or BIOL 410†  | 4              |
| PHIL 205 Nature and Person   | 4              | PHIL 206 Ethics        | 4              |
| CHEM 221 Organic Chemistry I | 4              | Biology Elective       | 4              |
| Total                        | 16             | Total                  | 16             |

### Senior Year

| <u>Fall Semester</u>      | <u>Credits</u> | <u>Spring Semester</u> | <u>Credits</u> |
|---------------------------|----------------|------------------------|----------------|
| Biology Elective          | 4              | Biology Elective       | 4              |
| THEO 400 Living in Christ | 4              | BIOL 413 or BIOL 497   | 1              |
| General Elective          | 4              | General Elective       | 4              |
| General Elective          | 4              | General Elective       | 4              |
|                           |                | General Elective       | 3              |
| Total                     | 16             | Total                  | 16             |

\*Latin is recommended, but not required, for the Biology Major.

†Students taking BIOL 410 (3 credits) will need to take an additional credit to earn 16 credits.

## Pre-medicine Program

The pre-medicine program is designed to offer a complete academic preparation for medical school. Recommended majors for students interested in pre-medicine include Biology (B.S. or B.A.), Health Science (B.A.), or Biochemistry (B.S.)†, although other academic majors are usually acceptable as long as the appropriate pre-requisites\* for a given medical school are completed. Students are encouraged to explore the ethical, moral and social implications of modern medicine and technology from a Catholic perspective and should consider taking THEO 390 Catholic Bioethics.

Multiple upper level Biology classes are strongly recommended. Classes include Genetics, Molecular Biology, Anatomy and Physiology I and II, Microbiology, and Biochemistry. In preparation for the MCAT examination, minimal requirements should be completed by the end of the junior year. A variety of other supplementary programs, seminars, and lectures are offered.

## Minimal Pre-medicine Requirements

Biochemistry (1 Semester of Lecture)

BIOL 211 Biology I with laboratory

BIOL 212 Biology II with laboratory

BIOL 303 Genetics with laboratory

CHEM 125 General Chemistry I with laboratory

CHEM 126 General Chemistry II with laboratory

CHEM 221 Organic Chemistry I with laboratory

CHEM 222 Organic Chemistry II with laboratory

MATH 150 Functions; MATH 151 Calculus I is strongly recommended

PHYS 211 College Physics I with laboratory

PHYS 212 College Physics II with laboratory

PSYC 201 Principles and Methods of Psychology

STAT 230 Applied Statistics

## Recommended Pre-medicine Courses

At least 8 upper level credits (300 and above) of Biology courses are required for most medical school admissions. The following course are recommended to fulfill this requirement, and all are recommended to aid in taking the MCAT:

BICM 305 Biochemistry 1: Structure, Mechanism and Metabolism

BICM 306 Biochemistry II: Biophysical Chemistry

BICM 415 (carries by topic. Examples of relevant modules are Chemistry and Mechanism of Enzyme Action, Biochemistry of HIV, Biochemistry in drug discovery, and Biochemistry of Cancer)

BIOL 304 Anatomy and Physiology I

BIOL 305 Molecular Biology

BIOL 309 Anatomy and Physiology II

BIOL 401 Microbiology

†For those intending to major in Biochemistry, please see the Biochemistry Degree section of the catalogue for a sample pre-med track.

\*Admission requirements vary by institution. It is highly recommended that students check the requirements of the schools which they are considering.

## Sample Pre-Medicine Plan—Biology (B.S.)

### Freshman Year

| <u>Fall Semester</u>       | <u>Credits</u> | <u>Spring Semester</u>            | <u>Credits</u> |
|----------------------------|----------------|-----------------------------------|----------------|
| BIOL 211 Biology I         | 4              | BIOL 212 Biology II               | 4              |
| MATH 151 Calculus I        | 4              | BIOL 304 Anatomy and Physiology I | 4              |
| COMP 101 Composition       | 4              | THEO 105 Sacred Scripture         | 4              |
| LATN 101 Elementary Latin* | 4              | LATN 102 Intermediate Latin*      | 4              |
| Total                      | 16             | Total                             | 16             |

### Sophomore Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>             | <u>Credits</u> |
|------------------------------------|----------------|------------------------------------|----------------|
| CHEM 125 General Chemistry I       | 4              | CHEM 126 General Chemistry II      | 4              |
| BIOL 230 Botany                    | 4              | BIOL 220 Zoology                   | 4              |
| BIOL 309 Anatomy and Physiology II | 4              | BIOL 305 Molecular or Cell Biology | 4              |
| THEO 205 Sacred Doctrine           | 4              | POLT 203 American Civilization     | 4              |
| Total                              | 16             | Total                              | 16             |

### Junior Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>               | <u>Credits</u> |
|------------------------------------|----------------|--------------------------------------|----------------|
| BIOL 303 Genetics                  | 4              | CHEM 301 Introductory Biochemistry I | 4              |
| PHYS 211 or PHYS 221               | 4              | PHYS 212 or PHYS 222                 | 4              |
| CHEM 221 Organic Chemistry I       | 4              | CHEM 222 Organic Chemistry II        | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II  | 4              |
| Total                              | 16             | Total                                | 16             |

### Senior Year

| <u>Fall Semester</u>        | <u>Credits</u> | <u>Spring Semester</u>            | <u>Credits</u> |
|-----------------------------|----------------|-----------------------------------|----------------|
| THEO 390 or THEO 400        | 4              | BIOL 401 Microbiology             | 4              |
| PHIL 205 Nature and Person  | 4              | BIOL 413 or BIOL 497 <sup>#</sup> | 1              |
| STAT 230 Applied Statistics | 4              | General Elective                  | 4              |
| General Elective            | 4              | PHIL 206 Ethics                   | 4              |
|                             |                | PSYC 201 Principles Methods Psych | 4              |
| Total                       | 16             | Total                             | 17             |

\*Latin is recommended, but not required. Some Med School programs require Spanish.

<sup>#</sup>Research is recommended for Pre-Medicine Students.



## Sample Pre-Medicine Plan—Health Science (B.A.)

### Freshman Year

| Fall Semester              | Credits | Spring Semester                   | Credits |
|----------------------------|---------|-----------------------------------|---------|
| BIOL 211 Biology I         | 4       | BIOL 212 Biology II               | 4       |
| MATH 151 Calculus I        | 4       | BIOL 304 Anatomy and Physiology I | 4       |
| COMP 101 Composition       | 4       | THEO 105 Sacred Scripture         | 4       |
| LATN 101 Elementary Latin* | 4       | LATN 102 Intermediate Latin*      | 4       |
| Total                      | 16      | Total                             | 16      |

### Sophomore Year

| Fall Semester                      | Credits | Spring Semester                    | Credits |
|------------------------------------|---------|------------------------------------|---------|
| BIOL 303 Genetics                  | 4       | BIOL 305 Molecular or Cell Biology | 4       |
| BIOL 309 Anatomy and Physiology II | 4       | BIOL 200 Nutrition                 | 3       |
| THEO 205 Sacred Doctrine           | 4       | BIOL 100 Medical Terminology       | 1       |
| CHEM 125 General Chemistry I       | 4       | CHEM 126 General Chemistry II      | 4       |
|                                    |         | POLT 203 American Civilization     | 4       |
| Total                              | 16      | Total                              | 16      |

### Junior Year

| Fall Semester                      | Credits | Spring Semester                      | Credits |
|------------------------------------|---------|--------------------------------------|---------|
| PHYS 211 or PHYS 221               | 4       | PHYS 212 or PHYS 222                 | 4       |
| CHEM 221 Organic Chemistry I       | 4       | CHEM 222 Organic Chemistry II        | 4       |
| PHIL 205 Nature and Person         | 4       | CHEM 301 Introductory Biochemistry I | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II  | 4       |
| Total                              | 16      | Total                                | 16      |

### Senior Year

| Fall Semester               | Credits | Spring Semester                   | Credits |
|-----------------------------|---------|-----------------------------------|---------|
| THEO 390 Catholic Bioethics | 4       | BIOL 401 Microbiology             | 4       |
| PSYC 350 Health Psychology  | 4       | BIOL 250 Health and Wellness      | 3       |
| PHIL 206 Ethics             | 4       | BIOL 413 or BIOL 497 <sup>#</sup> | 1       |
| General Elective            | 4       | General Elective                  | 4       |
|                             |         | General Elective                  | 4       |
| Total                       | 16      | Total                             | 16      |

\*Latin is recommended, but not required. Some Med School programs require Spanish.

<sup>#</sup>Research is recommended for Pre-Medicine Students.

# Business Administration

Chair: Dr. Frank Shepard, Associate Professor of Finance

The Business Administration program seeks to make it possible for students to master the requirements – in broad education and in specialized knowledge – to find immediately meaningful work and/or to attend critically a graduate business school program. Basic tools and concepts, theories, and analytical techniques are readily learned. What is harder to imitate -- and, therefore, more valuable in the business environment -- are communication and interpersonal skills, as well as the ability to weave together and make use of different kinds of knowledge. The Business Administration program intends to open to students the possibility to internalize those skills and ability through an uncompromisingly excellent classroom teaching that emphasizes the integration of the business disciplines and prudential decision making.

Business Administration addresses the complex phenomenon of acting persons engaged in business transactions. Decisions made during those business transactions are always based on value judgments that rely upon non-systematic information available and upon the purpose of the inter-acting persons. The personal characteristics of the business person, the individual knowledge, skills and abilities are precisely what makes the difference between good and bad decisions. The acquired habit of weighing the qualitative and quantitative factors involved in the business oriented personal interaction is the cornerstone of the business craft.

Students intending to major in Business Administration will proceed through the normal sequence of the Core Curriculum. The program in Business Administration holds the conviction that students need a broad foundation in the moral dimension of human history, activity, and political life in order to carry out successfully the practice of business. The Core thus serves as the necessary foundation for the major in Business Administration.

## Student Learning Outcomes for the Major in Business Administration

Goal 1: Students will be capable of solving business problems using critical thinking skills. They will be able to synthesize the interdisciplinary knowledge provided in our program to make strategic decisions in all areas of business including but not limited to accounting, finance, economics, marketing and management.

Outcome 1: Students will develop a conceptual understanding of the elements of corporate strategy and translate all of its elements into written strategic case analysis.

Outcome 2: Each student will be able to demonstrate knowledge and understanding of core accounting fundamentals, and to evaluate the financial position of organizations using standard analytic tools of applied financial analysis.

Outcome 3: Students will understand and apply strategic and tactical concepts of marketing such as product, price, promotion, place and positioning strategies.

Outcome 4: Students will be able to understand fundamental concepts and principles of management, including the basic roles, skills, and functions of management.

Outcome 5: Students will understand the basic principles of both macro and microeconomics and apply those principles in a business context.

Outcome 6: Students will have a general understanding of the laws of the United States as they relate to business activities, operations and transactions.

## Required Courses for the Major

ACCT 201 Financial Accounting  
 ACCT 202 Managerial Accounting  
 BUSN 201 Principled Entrepreneurship  
 BUSN 303 Management and Ethics  
 BUSN 340 Business Law I  
 BUSN 368 Quantitative Business Analysis  
 BUSN 490 Strategic Management/Business Capstone  
 ECON 201 Principles of Macroeconomics  
 ECON 202 Principles of Microeconomics  
 FINC 201 Fundamentals of Finance  
 MKTG 200 Marketing  
 STAT 230 Applied Statistics

## Minor in Business Administration

The Minor in Business Administration is aimed toward those students who want to major in liberal arts discipline while also desiring exposure to practical skills and opportunities associated with the study of business. The minor offers intensive coursework and provides students with opportunities to gain practical experience, career guidance, and mentoring. Students must complete ECON 201, 202; ACCT 201; BUSN 303; and two Business Electives.

## Course Descriptions

### BUSN 200 BUSINESS COMMUNICATION

This course is intended to introduce students to the world of business and to provide students with the skills of business writing and speaking. Students learn how to write effective and concise letters and memos in a business context; prepare informal and formal reports; proofread and edit copies of business correspondence; and use communications technology. Students also learn the principles of effective spoken business communication, including anticipating audience reaction, mitigating nervousness, and the appropriate use of presentation technology; they also learn the skills for making a persuasive case for a controversial position and/or a sales presentation that persuades a customer to buy a product or service. (4 credits)

### BUSN 201 PRINCIPLED ENTREPRENEURSHIP

Principled Entrepreneurship is designed for students from all majors interested in the creation of small businesses and entrepreneurial spirit. The course serves as an elective for students in a Business major as well as a practical general elective that will inspire students of any major to seek opportunities to use their talents by creating a new venture. This course teaches the fundamental theories and practice of entrepreneurship with a primary focus on ethical principles and meeting the human needs related to all aspects of venture development. The course applies the social teaching of the Catholic Church to the variety of responsibilities of entrepreneurs, managers and organizational leaders. Principled Entrepreneurship takes up the challenge of teaching management methods designed to “maximize long-term profitability by creating real value in society while always acting lawfully and with integrity.” (4 credits)

**BUSN 215 INTERMEDIATE AND ADVANCED SPREADSHEET ANALYSIS**

This course will develop students' intermediate and advanced spreadsheet skills using Microsoft Excel. Students will learn applications for Excel in accounting, finance, economics, statistics, mathematics, and other fields. (2 credits)

**BUSN 250 PERSONAL FINANCIAL PLANNING**

This course will cover the individual management of money and financial decision making at an introductory level. This is an entry level course and no prior business course is required. (4 credits)

**BUSN 303 MANAGEMENT AND ETHICS**

Theories of management and their practical applications. Management techniques and tools; practical supervisory skills (empowerment, delegation, teamwork building, motivation, leadership, and training). Ethics: the ethics of virtue and ethical relativism. Catholic Social Thought: human personhood, natural moral law, communities and the common good, public authority and subsidiarity, global and participative solidarity, distributive, commutative and social justice, private property, dignity of work and the stewardship of nature. Prerequisites: ECON 201, ECON 202; PHIL 206. (4 credits)

**BUSN 311 INFORMATION SYSTEMS**

Knowledge and information management systems. Access and coordination of information assets. Technologies: intranets, groupware, weblogs, instant messaging, content management processes and email in an organizational context. Review of cases. Analysis and design of information processes. In-house systems development, sub-contracting, packaged software product. Implementation and maintenance. (4 credits)

**BUSN 322 HUMAN RESOURCE MANAGEMENT**

This course is an examination of the human resource function including its historic and evolving roles in the organization with increased emphasis on strategic HR management. Ethical, social and legal considerations will be examined as well as principal human resource management components such as staffing, recruitment and selection, training and development, compensation, performance and appraisal, safety and health, workforce diversity, equal employment opportunities and affirmative action, employee compensation, benefits and labor relations. Students will be expected to prepare a paper and present it to the class as a member of a small group. This exercise will assist the students in both written and oral presentation skills. Upon successful completion students will have knowledge and skills (terminology, classifications, methods, trends) of and learn fundamental principles, concepts and generalizations related to human resource management sufficient to implement HRM techniques and methods in business. (4 credits)

**BUSN 329 BUSINESS AND ECONOMIC FORECASTING**

The aim of this course is to give students a thorough working knowledge of forecasting fluctuations in business and economic data. Economic analysis is aimed at explaining the nature of the real world; the intent in this course is to integrate theory and application. The course covers standard methods such as moving averages and exponential smoothing, regression analysis, time-series decomposition, ARIMA models, etc., as well as subjective forecasting, with an emphasis on the importance of combining many kinds of forecasts. Cross-listed with ECON 329. Prerequisite: STAT 230. (4 credits)

**BUSN 330 ORGANIZATIONAL BEHAVIOR**

This course offers a study of the individual processes and interpersonal relationships of people in organizations. It surveys practical applications of psychology to issues in business, specifically the study of individual and group dynamics and the influence of organizational structures on work behaviors. This course presents the nature of human attitudes and emotions as they relate to workplace effectiveness. Topics include motivation, leadership, decision-making, creativity and communication, performance enhancement, job design, organizational culture, collaboration and change. Students are introduced to organizational psychology research methods, workplace staffing considerations as well as approaches to training and development. Cross-listed with PSYC 330. Prerequisite: PSYC 201 or BUSN 303 or MKTG 200. (4 credits)

**BUSN 340 BUSINESS LAW I**

The different foundational principles of legal systems. Natural law and the nature of law. The legal environment of business: constitutional law, courts, torts, civil and criminal law, compliance issues. Contracts. Sales and lease contracts. Negotiable instruments. Debtor-creditor relationships. Business organizations. Government regulation. Property. (4 credits)

**BUSN 350 HEALTH CARE ADMINISTRATION**

This course provides Introduction to health care management practices and concepts. Planning, decision-making, influencing, controlling, effecting change. Effects of environment, technology and human behavior on organizational design. (4 credits)

**BUSN 368 QUANTITATIVE BUSINESS ANALYSIS**

The goal of this course is to introduce the basic quantitative techniques used by managers to enhance the decision making process in businesses. The student will learn how to use quantitative mathematical modeling to make decisions and comprehend the risk of simply relying on models. The course will focus on decision analysis, forecasting, resource allocation and linear programming models among other topics. These tools are essential in making successful business decisions in all industries. Prerequisite: STAT 230. (4 credits)

**BUSN 397 CORPORATE INTERNSHIP**

This course allows students to expand their academic experience in a profit or non-profit firm or organization by strengthening their technical, communication and analytical skills and linking them with skills developed on the job. Students enrolled in this course are expected to undertake a job or internship for at least 260 hours; keep a daily journal of their activities at the internship; and write a final report based on the course outline provided for this purpose. (Variable credit; by permission of instructor)

**BUSN 400 INTERNATIONAL BUSINESS**

This course introduces students to the following areas: economic environment for overseas operations; governmental policies and programs that affect international business; economic and political philosophies around the world; patterns of government-business relationships; and economic development and business activities in differing political and cultural environments. Junior or Senior standing required. Prerequisite: ECON 201. (4 credits)

**BUSN 415 SPECIAL TOPICS**

The topics for this seminar may vary. They are determined by faculty and student interests. (4 credits)

**BUSN 440 BUSINESS LAW II**

Business Law II is designed to survey areas of law that anyone engaged in business should be familiar with but which are not covered in Business Law I. Topics covered include the following: (1) Business Organizations (e.g. Sole Proprietorships and Franchises, Partnerships, Limited Liability Companies and Special Business Forms, Corporations, and Law for the Small Business); (2) Creditor's Rights and Remedies; (3) Sales of Goods; and (4) Negotiable Instruments. As with Business Law I, the goal of this course will be to introduce students to the basic concepts at the center of each area of law so that they have a grasp of the fundamental principles governing the area when they enter the business world or prepare for the C.P.A. examination. Prerequisites: ECON 201, ECON 202, BUSN 340. (4 credits)

**BUSN 490 STRATEGIC MANAGEMENT/BUSINESS CAPSTONE**

This course is designed to be the last course in business related programs, and begins with the introduction of the concept of strategic management through readings, discussions and case analysis. The students will focus on the basic directions and goals of an organization, including the environment, industry and market structure. In addition this course will focus on the areas that will be covered by the Major Field Test, including Accounting, Economics, Quantitative Business Analysis, Information Systems, Finance, Marketing, Legal and social environment and International issues. (4 credits)

### **MKTG 350 MARKETING RESEARCH**

The market research process involves designing, conducting, and using marketing research studies. This course provides extensive coverage of the components of a market research project, qualitative research, survey and experimental designs and data analysis with statistical software packages. Prerequisite: MKTG 200, C or better in STAT 230. (4 credits)

### **STAT 230 APPLIED STATISTICS**

A self-contained introduction to statistical inference with applications in economics and the social sciences. Univariate and multivariate descriptive statistics, probability theory, sampling distributions, statistical inference, hypothesis testing, simple and multiple regression analysis. Intensive use of statistical software is a key component of the course. Prerequisites: MATH 110 with a minimum grade of C- or MATH 150. (4 credits)

## Typical Plan—Business Administration (B.A.)

### Freshman Year

| Fall Semester                      | Credits | Spring Semester                      | Credits |
|------------------------------------|---------|--------------------------------------|---------|
| MATH 110 College Algebra           | 4       | THEO 105 Sacred Scripture            | 4       |
| Elementary Foreign Language        | 4       | Intermediate Foreign Language        | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II  | 4       |
| COMP 101 Composition               | 4       | BUSN 201 Principled Entrepreneurship | 4       |
| Total                              | 16      | Total                                | 16      |

### Sophomore Year

| Fall Semester                    | Credits | Spring Semester                  | Credits |
|----------------------------------|---------|----------------------------------|---------|
| THEO 205 Sacred Doctrine         | 4       | FINC 201 Fundamentals of Finance | 4       |
| PHIL 205 Nature and Person       | 4       | PHIL 206 Ethics                  | 4       |
| ACCT 201 Financial Accounting    | 4       | ACCT 202 Managerial Accounting   | 4       |
| ECON 201 Principles of Macroecon | 4       | ECON 202 Principles of Microecon | 4       |
| Total                            | 16      | Total                            | 16      |

### Junior Year

| Fall Semester               | Credits | Spring Semester                    | Credits |
|-----------------------------|---------|------------------------------------|---------|
| STAT 230 Applied Statistics | 4       | BUSN 340 Business Law I            | 4       |
| Science I with Lab          | 4       | Science II with Lab                | 4       |
| MKTG 200 Marketing          | 4       | POLT 203 American Civilization     | 4       |
| General Elective            | 4       | BUSN 368 Quantitative Bus Analysis | 4       |
| Total                       | 16      | Total                              | 16      |

### Senior Year

| Fall Semester                  | Credits | Spring Semester               | Credits |
|--------------------------------|---------|-------------------------------|---------|
| General Elective               | 4       | THEO 315 or THEO 400          | 4       |
| BUSN 303 Management and Ethics | 4       | General Elective              | 4       |
| General Elective               | 4       | General Elective              | 4       |
| General Elective               | 4       | BUSN 490 Strategic Management | 4       |
| Total                          | 16      | Total                         | 16      |

# Catholic Studies

Program Director: Dr. Michael Dauphinais, Professor of Theology

The Catholic Studies major at Ave Maria University focuses on the interdisciplinary character of the impact of the Catholic Faith on the broader society across the centuries. The major includes a foundation of doctrinal and moral studies. The students then have the opportunity to study other disciplines in which the engagement with Catholic teaching is a primary component of the course. With this approach, students will be introduced to the doctrinal and moral foundations of Catholic theology while also studying how the Catholic Faith has influenced all of the disciplines within Western Civilization.

*Ex Corde Ecclesiae* directly calls for this interdisciplinary approach: “While each discipline is taught systematically and according to its own methods, interdisciplinary studies, assisted by a careful and thorough study of philosophy and theology, enable students to acquire an organic vision of reality and to develop a continuing desire for intellectual progress” (20).

## Student Learning Goals and Outcomes for the Major in Catholic Studies

Goal 1: Upon completion of the program, students will be able to demonstrate a basic understanding of the truths of the Catholic Faith as outlined in the Catechism of the Catholic Church.

Outcome 1: In Systematic Theology, the student will be able to demonstrate a deep familiarity with the doctrines enunciated in “Part One: the Profession of Faith” which is based on the Nicene Creed.

Outcome 2: In Sacramental Theology, the student will be able to demonstrate a knowledge of the Pascal Mystery and its salvific effects conferred through the sacraments of the Church.

Outcome 3: In Moral Theology, the student will be able to manifest a familiarity with the essentials of the Church’s teaching on man’s supernatural vocation and the moral principles whereby we are guided to eternal life.

Goal 2: Upon completion of the program, students will be able to demonstrate knowledge of the manner in which the Catholic Faith has influenced disciplines outside of theology.

Outcome 4: Students will prepare a satisfactory senior paper an interdisciplinary topic relating to the interplay of the Catholic Faith and another discipline.

## Required Theology Courses from the Core Curriculum:

THEO 105 Sacred Scripture

THEO 205 Sacred Doctrine

THEO 305 Moral Theology (instead of THEO 400 for non-majors)

## Required Theology Courses:

THEO 206 Creation and Grace

THEO 307 Sacraments

THEO 309 Christ and His Church

THEO 405 Triune God

THEO 490 Senior Seminar



Elective Courses (four required):

Any THEO courses

HIST 362 The Crusades

LATN 304 Latin Church Fathers

LATN 403 Scholastic Latin Texts

LITR 415 Thomas More

MUSC 305 Heritage of Sacred Music

PHIL 406 St. Augustine

PHIL 407 St. Thomas Aquinas

PHIL 408 Franciscan Philosophy

PHIL 409 John Henry Newman

POLT 302 Catholic Political Thought

Other courses dealing primarily with Catholic themes, texts, or issues as approved by the Theology Department Chair.

## Typical Plan—Catholic Studies (B.A.)

### Freshman Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| THEO 105 Sacred Scripture          | 4       | THEO 205 Sacred Doctrine            | 4       |
| COMP 101 Composition*              | 4       | MATH 110, 120, 150, or 151*         | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| LATN 101 Elementary Latin**        | 4       | LATN 102 Intermediate Latin**       | 4       |
| Total                              | 16      | Total                               | 16      |

### Sophomore Year

| Fall Semester               | Credits | Spring Semester                | Credits |
|-----------------------------|---------|--------------------------------|---------|
| PHIL 205 Nature and Person  | 4       | PHIL 206 Ethics                | 4       |
| THEO 206 Creation and Grace | 4       | THEO 309 Christ and His Church | 4       |
| Science I with Lab          | 4       | Science II with Lab            | 4       |
| General Elective            | 4       | POLT 203 American Civilization | 4       |
| Total                       | 16      | Total                          | 16      |

### Junior Year

| Fall Semester             | Credits | Spring Semester           | Credits |
|---------------------------|---------|---------------------------|---------|
| THEO 305 Moral Theology   | 4       | THEO 307 Sacraments       | 4       |
| Catholic Studies Elective | 4       | Catholic Studies Elective | 4       |
| General Elective          | 4       | General Elective          | 4       |
| General Elective          | 4       | General Elective          | 4       |
| Total                     | 16      | Total                     | 16      |

### Senior Year

| Fall Semester             | Credits | Spring Semester           | Credits |
|---------------------------|---------|---------------------------|---------|
| THEO 405 Triune God       | 4       | THEO 490 Senior Seminar   | 4       |
| Catholic Studies Elective | 4       | Catholic Studies Elective | 4       |
| General Elective          | 4       | General Elective          | 4       |
| General Elective          | 4       | General Elective          | 4       |
| Total                     | 16      | Total                     | 16      |

\*COMP 101 and MATH requirement may be taken either Fall or Spring semester.

\*\*Latin is recommended, but not required, for the Catholic Studies Major.

# Chemistry

Chair: Dr. Antonio Barbosa, Assistant Professor of Chemistry

Chemistry is a “central science” because a foundation of chemistry is essential for a comprehensive understanding of other science disciplines. The principles and techniques of chemistry are increasingly transforming the fields of biology, medicine, engineering and materials science to name a few. The Chemistry major provides the student with a rigorous introduction to chemistry. The course offerings are purposely broad in scope since the chemistry discipline itself represents a wide range of sub-disciplines including the areas of organic chemistry, inorganic chemistry, analytical chemistry, physical chemistry and biochemistry. This major is offered in the context of a Catholic liberal arts institution in practice as well as in name. Students receive excellent preparation for graduate studies and careers in the sciences, while being well-formed in the Catholic moral, theological, and philosophical tradition.

## Student Learning Goals and Outcomes for the Major in Chemistry

Goal 1: Modern challenges in the chemical sciences require that the student be trained in a broad background of chemistry and physics. The Chemistry major aims to provide a rigorous and modern introduction to the chemical sciences in an environment that incorporates classroom teaching, class-associated laboratory experiences, an introduction to the scientific literature and an emphasis on independent research. Together, these strategies and opportunities foster the development of independent thinking and complex problem solving skills, along with the technical proficiency characteristic of the effective scientist in the chemical sciences.

Outcome 1: Students will receive a challenging introduction to the chemical and biochemical sciences.

Outcome 2: Students will develop complex problem-solving and critical-thinking skills essential for their development into a mature scientist.

Outcome 3: Students will be introduced to the scientific method in a challenging research environment.

Outcome 4: Students will be assisted in discerning their long-term career goals as well as supported in applying to graduate programs or finding employment in the field.

## Required Courses for the Major

The major in Chemistry consists of 60 credits. Forty eight credits are in required foundational courses; twelve credits are in advanced elective courses.

CHEM 125 General Chemistry I  
 CHEM 126 General Chemistry II  
 CHEM 221 Organic Chemistry I  
 CHEM 222 Organic Chemistry II  
 CHEM 231 Inorganic Chemistry  
 CHEM 301 Introductory Biochemistry I or BICM 305 Biochemistry I  
 CHEM 332 Analytical Chemistry  
 CHEM 352 Physical Chemistry  
 MATH 151 Calculus I

MATH 250 Calculus II

MATH 252 Ordinary Differential Equations and/or STAT 230 Applied Statistics or MATH 231 Mathematical Statistics and Design of Experiments

PHYS 221 University Physics: Mechanics

PHYS 222 University Physics: Materials

### Elective Major Courses (12 credits required)

CHEM 415 Chemistry Module (2 credits)

Possible Topics Include:

- Organic Synthesis of Natural Products
- Polymer Chemistry
- Bio-organic Chemistry
- Medicinal Chemistry
- Chemical Modeling
- Advanced Spectroscopy

CHEM 429 Advanced Organic Chemistry

CHEM 442 Advanced Inorganic Chemistry

CHEM 455 Advanced Physical Chemistry

CHEM 495 Directed Research I

CHEM 496 Directed Research II

PHYS 321 Modern Physics

### Minor in Chemistry

The chemistry minor allows students majoring in another discipline to develop familiarity with the chemical sciences. The chemistry minor program consists of six courses in chemistry including CHEM 125 (with laboratory), CHEM 126 (with laboratory), CHEM 221 (with laboratory), CHEM 222 (with laboratory), and 8 cr. of CHEM and/or BICM electives (300-level and above). Note that some BICM electives have physics courses as prerequisites.

### Course Descriptions

Course descriptions can be found under their major.

All science courses with a laboratory include lab fee.

#### CHEM 105 CHEMISTRY FOR HEALTH SCIENCES

An introduction to chemistry specifically designed for those pursuing majors associated with allied health care professions. This is a one-semester course that will explore some of the fundamental principles of General Chemistry (the interaction of atoms and molecules), Organic Chemistry (the molecules that make up living systems) and Biochemistry (how organic molecules are utilized by the cell as a source of energy, structure, and cellular communication). Since this is a stand-alone one-semester course, it cannot be used as a substitute for CHEM 125 and is therefore not recommended for those majoring in the experimental sciences (with laboratory). Prerequisites: None. MATH 150 or equivalent is strongly recommended. (4 credits)

**CHEM 125 GENERAL CHEMISTRY I**

A study of the basic principles of chemistry, with an emphasis on the laws of chemical combination, descriptive inorganic chemistry, thermochemistry, the gas, liquid, and solid states of matter, the periodic law, atomic structure and chemical bonding, and the nature of intermolecular forces (with laboratory). Prerequisite: MATH 150 or higher. (4 credits)

**CHEM 126 GENERAL CHEMISTRY II**

A continuation of General Chemistry I with emphasis on kinetics, chemical equilibria involving gases, weak acids and bases, and slightly soluble solids, free energy changes, electrochemistry, transition metal chemistry (with laboratory). Prerequisite: CHEM 125. (4 credits)

**CHEM 221 ORGANIC CHEMISTRY I**

A detailed study of organic compounds, their synthesis and reactions. An introduction to modern methods of analysis and identification is included (with laboratory). Prerequisites: CHEM 125, CHEM 126. (4 credits)

**CHEM 222 ORGANIC CHEMISTRY II**

A continuation of Organic Chemistry I (with laboratory). Prerequisites: CHEM 125, CHEM 126, CHEM 221. (4 credits)

**CHEM 231 INORGANIC CHEMISTRY**

A detailed study of structure and bonding in inorganic systems, Lewis acid-base concepts, thermodynamic aspects, coordination chemistry, chemistry of metals and nonmetals, inorganic aspects of aqueous and non-aqueous solvents. Both main group and transition metal chemistry are discussed (with optional laboratory). Prerequisite: CHEM 221. (4 credits)

**CHEM 295 DIRECTED RESEARCH I**

Students will be instructed in laboratory and/or library research on a project currently being studied by one or more faculty members. Prerequisite: Faculty approval. (1-4 credits)

**CHEM 301 INTRODUCTORY BIOCHEMISTRY I**

A study of proteins, enzymes, carbohydrates, metabolism, signaling pathways, transcription, translation, replication, lipids and membranes with an emphasis on the relationship of structure and function. This course is intended to provide students entering the major late the opportunity to prepare for the MCAT, and other, professional exams while enrolled concurrently with CHEM 222 Organic Chemistry. Prerequisites: CHEM 125, 126, 221, 222; PHYS 221 (or PHYS 211), PHYS 222 (or PHYS 212), MATH 151. (4 credits)

**CHEM 332 ANALYTICAL CHEMISTRY**

A detailed study of the theory and practice of modern instrumental methods including statistics, sampling, chemical equilibrium, titrimetric procedures, spectroscopy, separations and electrochemistry as well as an introduction to modern analytical instrumentation (with laboratory). Prerequisite: CHEM 125, CHEM 126. (4 credits)

**CHEM 352 PHYSICAL CHEMISTRY**

A detailed study of the basic laws, theories, and practices of physical chemistry. Underlying principles of thermodynamics, equilibrium, and kinetics are developed and applied to solutions, enzymes, spectroscopy, and macromolecules from macroscopic and statistical perspectives (with optional laboratory). Prerequisite: CHEM 125, CHEM 126, CHEM 221, CHEM 222, MATH 151, MATH 250. (4 credits)

**CHEM 415 ADVANCED TOPICS IN CHEMISTRY (MODULES)**

These unique courses consist of 2 credit modules, each consisting of 1/2 semester. This format facilitates the student's exposure to a broad range of topics in modern chemistry and allows for flexibility in elective course selection. Possible topics

may include Organic Synthesis of Natural Products, Polymer Chemistry, Bio-organic Chemistry, Medicinal Chemistry, Chemical Modeling, Advanced Spectroscopy. Prerequisites: CHEM 125, 126, 221, 222, 352; PHYS 221, 222; MATH 151. (2 credits)

#### CHEM 429 ADVANCED ORGANIC CHEMISTRY

This course discusses the modern theories of organic structure, mechanism, and synthesis. Prerequisites: CHEM 125, 126, 221, 222; PHYS 221, 222; MATH 151. (4 credits)

#### CHEM 442 ADVANCED INORGANIC CHEMISTRY

This course discusses the descriptive chemistry of the elements and the study of bioinorganic systems, organometallic chemistry, and pollution studies. Prerequisites: CHEM 125, 126, 221, 222, 231; PHYS 221, 222; MATH 151. (4 credits)

#### CHEM 455 ADVANCED PHYSICAL CHEMISTRY

This course discusses the quantum description of matter by examining concepts of quantum mechanics, simple quantum models, atomic orbitals, molecular energy levels, spectroscopy, and chemical bonding). Prerequisites: CHEM 125, 126, 221, 222, 352; PHYS 221, 222; MATH 151, 250. (4 credits)

#### CHEM 495 DIRECTED RESEARCH I

Students will be instructed in laboratory and/or library research on a project currently being studied by one or more faculty members. Prerequisite: Faculty approval. (1-4 credits)

#### CHEM 496 DIRECTED RESEARCH II

Students will be instructed in laboratory and/or library research on a project currently being studied by one or more faculty members. Prerequisite: Faculty approval. (1-4 credits)

## Typical Plan—CHEMISTRY (B.S.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| CHEM 125 General Chemistry I       | 4              | CHEM 126 General Chemistry II       | 4              |
| MATH 151 Calculus I                | 4              | MATH 250 Calculus II                | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| Elementary Foreign Language I      | 4              | Elementary Foreign Language II      | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>                | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|-------------------------------------|----------------|-------------------------------------|----------------|
| CHEM 221 Organic Chemistry I        | 4              | CHEM 222 Organic Chemistry II       | 4              |
| PHYS 221 University Phys: Mechanics | 4              | PHYS 222 University Phys: Materials | 4              |
| COMP 101 Composition                | 4              | MATH 252 or STAT 230 or MATH 231    | 4              |
| THEO 105 Sacred Scripture           | 4              | THEO 205 Sacred Doctrine            | 4              |
| Total                               | 16             | Total                               | 16             |

### Junior Year

| <u>Fall Semester</u>                 | <u>Credits</u> | <u>Spring Semester</u>        | <u>Credits</u> |
|--------------------------------------|----------------|-------------------------------|----------------|
| CHEM 301 Introductory Biochemistry I | 4              | CHEM 332 Analytical Chemistry | 4              |
| CHEM 231 Inorganic Chemistry         | 4              | CHEM 352 Physical Chemistry   | 4              |
| Chemistry Elective                   | 4              | PHIL 206 Ethics               | 4              |
| PHIL 205 Nature and Person           | 4              | General Elective              | 4              |
| Total                                | 16             | Total                         | 16             |

### Senior Year

| <u>Fall Semester</u>         | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|------------------------------|----------------|--------------------------------|----------------|
| Chemistry Elective           | 4              | Chemistry Elective             | 4              |
| Chemistry Elective           | 4              | POLT 203 American Civilization | 4              |
| THEO 400 Living in Christ    | 4              | General Elective               | 4              |
| General Elective             | 4              | General Elective               | 4              |
| CHEM 495 Directed Research I |                | CHEM 496 Directed Research II  |                |
| Total                        | 16             | Total                          | 16             |

## Classics & Early Christian Literature

Chair: Dr. Bradley Ritter, Associate Professor of Classics & Early Christian Literature

The study of Greek and Latin literature has endured for over two thousand years, as Horace predicted when he wrote about his own poetry in *Odes*, III, 30, "*Exegi monumentum aere perennius*" (I have built a monument more lasting than bronze). Throughout the Middle Ages, the Renaissance, and the modern age up to the nineteenth century, Latin in particular was the essential language of scholarship in the West. To study the Latin and Greek classics now is to continue a tradition that, while no longer the assured possession of every learned person, still brings the student into a fellowship with the greatest thinkers and artists of the past in a way no other field of study can achieve. Ave Maria University offers a major in Classics & Early Christian Literature, with concentration in Latin.

The Classics & Early Christian Literature Major is a rigorous academic program designed to develop proficiency in the Latin and Greek languages, to promote literary study across a broad range of authors, genres and subjects, and to instill an awareness of the classical tradition and its profound influences. Acknowledging the deep presence and transformation of classical culture during the Christian era, the Department is committed to integrating the study of the literature of the Greek and Roman civilizations and the vast body of writings in Latin and Greek from the biblical, patristic and medieval periods.

Students entering the program with considerable background in classical languages are advised by the department chairman about placement exams. Students initially placed in second-semester or intermediate readings courses have their total number of courses required for the major proportionately reduced. Unless otherwise advised by a faculty advisor, courses should be taken in the prescribed sequence in which they are presented in the major course and sequence plan. As students reach an advanced level of proficiency they enroll in courses at the 300 and 400 levels. In addition to the regular course cycle, they may, with approval of the chairman, enroll in advanced tutorials and directed study courses, which consist of focused study of an author, theme, or literary genre. Every student majoring in Classics & Early Christian Literature gives an oral presentation during his senior year of a paper (about 10-12 pages in length) that was written for an upper-level Classics course.

The Classics & Early Christian Literature Department also generally offers Latin and Greek during the Summer session as well as occasionally Hebrew.

### Student Learning Goals and Outcomes for the Major in Classics & Early Christian Literature

Goal 1: The Classics Major enables students to acquire a reading knowledge of classical, liturgical, and medieval Latin as well as classical, New Testament, and Patristic Greek. The program emphasizes reading and writing, and to a lesser degree, listening and speaking, in order to enable effective study, reflection, and evaluation of texts. Besides a solid reading proficiency, the student will gain the skill of composing sentences in Greek and Latin, along with modest ability in spoken Latin.

Outcome 1: Classics majors will demonstrate knowledge of Classical Latin and Classical Greek prose.

Outcome 2: Classics majors will demonstrate familiarity with the literature and literary culture of the Greco-Roman world and the early Christian centuries, the ability to distinguish among literary genres and styles as well as to paraphrase, translate, and comment upon texts in Latin and Greek, and a basic proficiency in writing Latin prose.



Outcome 3: Students exiting the program will demonstrate awareness of the classical and early Christian traditions and their influences, especially on Christian culture and modern society.

## Courses that Fulfill the Foreign Language Requirement of the Core Curriculum

LATN 101 Elementary Latin; LATN 102 Intermediate Latin

## Required Courses for the Major

GREK 103 Elementary Greek;  
 GREK 104 Intermediate Greek  
 GREK 203 Greek Readings: Prose  
 LATN 203 Latin Readings  
 LATN 204 Golden Age Poetry  
 LATN 304 Latin Church Fathers  
 LATN 310 Latin Prose Composition

## Elective Major Courses (two required)

GREK 204 Greek Readings: Poetry  
 GREK 304 Greek Church Fathers  
 GREK 310 Greek Prose Composition  
 GREK 403 Greek Poetry  
 GREK 415 Greek Special Topics  
 LATN 403 Scholastic Latin Texts  
 LATN 404 Latin Epistolary Writing  
 LATN 415 Latin Special Topics

## Minor Programs

Students may choose to earn a minor in Latin or in Classical Languages (Latin and Greek) to complement or enrich their major in another discipline. A minor in Latin or classical languages is especially valuable to students majoring in theology, philosophy, history, music, or literature. Religious life, law, teaching, publishing, and journalism are some careers for which the classical languages provide valuable background. As in most disciplines at Ave Maria University, 24 credit hours are required. Minor in Latin: LATN 101, LATN 102, LATN 203, and three courses from LATN 204 to LATN 499). Minor in Classical Languages: LATN 101, LATN 102, LATN 203, GREK 103, GREK 104, and either one course in Latin from LATN 204 to LATN 499 or GREK 203.

## Course Descriptions

Greek course descriptions are located under the Greek Major.

### LATN 101 ELEMENTARY LATIN

The goal of this course is to teach students to read original, unsimplified sentences and paragraphs from works by classical, patristic, and medieval authors. Spoken Latin is included since speaking is a lively and natural way to learn a language. (4 credits)

**LATN 102 INTERMEDIATE LATIN**

This course is a continuation of LATN 101. The goal is to teach students to read and understand passages from standard Roman and early Christian authors, to develop an analytical approach to language by comparing English to a language of different structure and by observing the influence of Latin on English. Prerequisite: LATN 101. (4 credits)

**LATN 203 LATIN READINGS**

In this course students learn the remaining elements of Latin grammar and syntax, particularly the subjunctive mood, and they encounter extended passages from a wide range of authors and texts, e.g., the Vulgate, fables, Cicero, drama, accounts of the early Christian martyrs, letters, or hymns. This course is a prerequisite for all other 200-, 300- and 400- level Latin courses at AMU. (4 credits)

**LATN 204 GOLDEN AGE POETRY**

Selections from monuments of Latin poetry including the works of Virgil and Horace are studied. This course continues the comprehensive review of Latin grammar begun in LATN 203 and aims at increased fluency in reading Latin through improvement of the students' knowledge of metrical form, syntax and poetic diction. Following on the progress made in LATN 203, the course promotes further development of analytical and interpretive skills through the preparation of stylistic analyses and increased focus on the figures and tropes. Prerequisite: LATN 203. (4 credits)

**LATN 304 LATIN CHURCH FATHERS**

This course is designed to be the first extended encounter students have with Latin patristic literature. The theme and readings may vary from year to year, but in general this course provides an overview of the major genres of patristic literature--epistles, homilies, treatises, martyrial literature, poetry, exegesis, apologetics--with particular attention to how patristic authors were influenced by classical literature. Prerequisite: LATN 203. (4 credits)

**LATN 310 LATIN PROSE COMPOSITION**

This course gives practice in the analysis and the composition of Latin prose. It is designed to improve the command of Latin grammar and syntax and promote knowledge and appreciation of Latin prose style. Prerequisite: LATN 203. Co-requisite: advanced 300 or 400 level course. (4 credits)

**LATN 403 SCHOLASTIC LATIN TEXTS**

Analysis and translation of select Latin philosophical and theological texts, with an emphasis on the works of St. Thomas Aquinas. Attention will be given to the distinctive orthography, grammar, syntax and vocabulary of the Scholastic period, as well as the paleographical skills needed for reading medieval Latin manuscripts. Prerequisite: LATN 203. (4 credits)

**LATN 404 LATIN EPISTOLARY WRITING**

The ancients wrote letters, as we do, for business and pleasure, but they also thought of letters as a genre for formal literary expression, much as modern writers employ the essay or memoir. Latin letters include pieces in verse that often serve both purposes of friendly, casual communication and elegant form. This course is centered on the works of Cicero, Horace, Pliny, Ovid, and Seneca, but Latin letters across the centuries are read, from early Christian, medieval, Renaissance, and modern times. Prerequisite: LATN 203. (4 credits)

**LATN 415 LATIN SPECIAL TOPICS**

The course is designed to accommodate students who have a particular interest in authors or topics not covered in the regular curriculum. It may be taught as a tutorial or as a seminar, depending on enrollment. Examples of topics are the Latin of Jerome's Vulgate, Lactantius' Divine Institutes, Augustine's Confessions, Latin Epigraphy and Paleography, Medieval Lyric Poetry, Liturgical Latin, Early Christian Documents, and Conciliar and Post-Conciliar documents. Prerequisites are at

least three semesters of Latin study (or equivalent competence) and permission of the instructor. Prerequisite: LATN 203. (4 credits)

## Typical Plan—Classics & Early Christian Literature (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110, 120, 150, or 151         | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | General Elective                    | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| LATN 101 Elementary Latin          | 4              | LATN 102 Intermediate Latin         | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>       | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|----------------------------|----------------|--------------------------------|----------------|
| PHIL 205 Nature and Person | 4              | PHIL 206 Ethics                | 4              |
| THEO 205 Sacred Doctrine   | 4              | POLT 203 American Civilization | 4              |
| Science I with Lab         | 4              | Science II with Lab            | 4              |
| LATN 203 Latin Readings    | 4              | LATN 204 Golden Age Poetry     | 4              |
| Total                      | 16             | Total                          | 16             |

### Junior Year

| <u>Fall Semester</u>          | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|-------------------------------|----------------|----------------------------------|----------------|
| GREK 103 Elementary Greek     | 4              | GREK 104 Intermediate Greek      | 4              |
| LATN 304 Latin Church Fathers | 4              | LATN 310 Latin Prose Composition | 4              |
| General Elective              | 4              | General Elective                 | 4              |
| General Elective              | 4              | General Elective                 | 4              |
| Total                         | 16             | Total                            | 16             |

### Senior Year

| <u>Fall Semester</u>           | <u>Credits</u> | <u>Spring Semester</u> | <u>Credits</u> |
|--------------------------------|----------------|------------------------|----------------|
| THEO 400 Living in Christ      | 4              | Classics Elective      | 4              |
| GREK 203 Greek Readings: Prose | 4              | General Elective       | 4              |
| Classics Elective              | 4              | General Elective       | 4              |
| General Elective               | 4              | General Elective       | 4              |
| Total                          | 16             | Total                  | 16             |

# Communications

Chair: Dr. John Jasso, Assistant Professor of Communications

The major in Communications provides students with a firm foundation in the liberal arts, while it also prepares students to communicate effectively through contemporary channels. Effective communication is relational. It requires an understanding of the contexts and beliefs of others as the foundation upon which a relationship may evolve. It also involves mastery of processes through which messages are disseminated. The program equips students with a deeper comprehension of the assumptions and contexts of targeted audience, while it also sharpens students' ability to use a variety of mediums, each with unique techniques and crafts, to convey well-crafted ideas or messages.

Students come to better appreciate the audiences, social and political contexts, and the media outlets through which effective messages can be conveyed. Students are trained in the arts of public speaking, argumentative writing, and artistic expression. At the same time, they are offered the opportunity to apply these classic skills to digital and video productions, permitting them to market well-crafted message to targeted audiences.

## Student Learning Outcomes for the Major in Communications

Goal 1: Students will be prepared to communicate effectively through contemporary channels.

Outcome 1: Students will demonstrate an understanding of historical and contemporary audiences to whom effective statesmen, authors, religious leaders, and other rhetoricians have crafted and conveyed ideas and messages.

Outcome 2: Students will understand the Church's teachings on contemporary media and its ethical applications.

Outcome 3: Students will demonstrate proficiency in the arts of rhetoric and public speaking.

Outcome 4: Students will demonstrate proficiency with concepts and practices in marketing.

Outcome 5: Students will be able to write effectively in appealing to targeted audiences.

Outcome 6: Students will be able to use digital, video, social media or related contemporary channels to conveying messages.

Outcome 7: Students will acquire work experience in which the skills and knowledge of the major are applied.

## Required Courses for the Major

COMM 200 Media, Society and the Church

COMM 230 Rhetoric

COMM 250 Public Speaking and Public Discourse

COMM 350 Audio and Visual Productions

COMM 400 Internship/Clinical in Communications I

MKTG 200 Marketing

MKTG 300 Integrated Marketing Communications

POLT 415 Media and Politics

### Elective Courses (two required):

BUSN 330/PSYC 330 Organizational Behavior  
 COMM 401 Internship in Communications II  
 COMM 415 Advanced Audio and Visual Productions  
 HIST 370 Film and History  
 MKTG 450 Advertising and Digital Marketing  
 POLT 305 Public Policy  
 PSYC 201 Principles and Methods of Psychology  
 PSYC 320 Social Psychology  
 THEA 206 Fundamentals of Acting I  
 THEA 207 Fundamentals of Acting II

### Course Descriptions

#### COMM 200 MEDIA, SOCIETY, AND THE CHURCH

This course is designed to help students understand the critical process of mass communication in modern life as well as the Church's teachings related to social communications. A survey is presented of the history, functions, and responsibilities of newspapers, radio, television, and interactive media. The use and misuse of social communications will be considered, drawing upon the Church's teachings to heighten awareness of the formative role of the media in contemporary society. (4 credits)

#### COMM 230 RHETORIC

This course examines seminal rhetorical texts of the Western Tradition, beginning in the Classical period and moving through the Early Christian, the Renaissance, and into the 19<sup>th</sup> and 20<sup>th</sup> centuries. It explores the techne of rhetoric as presented in the rhetorical manuals of seminal philosophers and rhetoricians. It also considers rhetoric's relation to the human person and its proper role within society. This latter is studied both through the explicit attempts of thinkers throughout history to understand the nature and proper use of rhetoric as well as through the implicit assumptions which underlie the rhetorical manuals studied in the course. (4 credits)

#### COMM 250 PUBLIC SPEAKING AND PUBLIC DISCOURSE

This course trains students in the art of public speaking, while it also examines the history of public discourse. Students consider the multi-variant meaning of words and explore why certain messages have resonated with audiences at points in history, and why these same messages eventually take on other meanings and cease to be effective. The course also investigates issues related to the economic, technological, political, and social determinants of the character and content of mass communications and their effect on society. (4 credits)

#### COMM 330 SHAKESPEARE IN PERFORMANCE

The goal of this course is for students to master a single Shakespearean play by staging it from the ground up. Students will produce the play by modeling themselves after an Elizabethan acting troupe that explores the possibilities of classical training in verse, prose, rhetoric, and voice in performance. As members of the troupe, students will be responsible for interpretative choices, set design, costuming, publicizing and marketing themselves and their work, composing and/or integrating music into the production, even ticketing. Cross-listed with THEA 330 and HUMS 330; may repeat for credit. (4 credits)

#### COMM 350 AUDIO AND VISUAL PRODUCTIONS

This course introduces students to live and non-live video production techniques. Camera, audio and visual equipment, directing, scriptwriting, editing, and graphics are also included. Work is completed through group and individual projects. A laboratory fee is assessed for this course for each student. (4 credits)

#### COMM 400 INTERNSHIP/CLINICAL IN COMMUNICATIONS I

This course provides students with hands-on experience in a work environment or a simulated work environment, using digital technology, social media, and video technology for the purpose of developing well-crafted messages for targeted audiences. Prerequisites: COMM 350, MKTG 300. (4 credits)

#### COMM 401 INTERNSHIP IN COMMUNICATIONS II

This course is a continuation of Internship/Clinical in Communications I for highly skilled students in the Communications major. It provides students with work experience in an employment setting using digital technology, social media, and video technology for the purpose of developing well-crafted messages for targeted audiences. Prerequisite: COMM 400. (4 credits)

#### COMM 415 ADVANCED AUDIO AND VISUAL PRODUCTIONS

Students experience more advanced techniques in audio and visual production with an emphasis on multi-camera work, developing narrative, and scripting dialogue. As with COMM 350, work is completed through group and individual projects, and the course will require a laboratory fee for each student. (4 credits)

## Typical Plan—Communications (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| COMM 200 Media, Society, Church    | 4              | THEO 105 Sacred Scripture           | 4              |
| Elementary Language                | 4              | Intermediate Language               | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| COMP 101 Composition               | 4              | MATH 110 College Algebra            | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|----------------------------------|----------------|----------------------------------|----------------|
| PHIL 205 Nature and Person       | 4              | PHIL 206 Ethics                  | 4              |
| COMM 230 Rhetoric                | 4              | COMM 250 Public Speaking and Dis | 4              |
| MKTG 200 Marketing               | 4              | MKTG 300 Integ Marketing Comm    | 4              |
| Science I with Lab               | 4              | Science II with Lab              | 4              |
| COMM 250 Public Speaking and Dis |                |                                  |                |
| Total                            | 16             | Total                            | 16             |

### Junior Year

| <u>Fall Semester</u>           | <u>Credits</u> | <u>Spring Semester</u>                | <u>Credits</u> |
|--------------------------------|----------------|---------------------------------------|----------------|
| THEO 205 Sacred Doctrine       | 4              | COMM 350 Audio and Visual Productions | 4              |
| POLT 203 American Civilization | 4              | POLT 415 Media and Politics           | 4              |
| General Elective               | 4              | General Elective                      | 4              |
| General Elective               | 4              | General Elective                      | 4              |
| Total                          | 16             | Total                                 | 16             |

### Senior Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>    | <u>Credits</u> |
|----------------------------------|----------------|---------------------------|----------------|
| COMM 400 Intern/Clinical in Comm | 4              | Communications Elective   | 4              |
| Communications Elective          | 4              | THEO 400 Living in Christ | 4              |
| General Elective                 | 4              | General Elective          | 4              |
| General Elective                 | 4              | General Elective          | 4              |
| Total                            | 16             | Total                     | 16             |



# Economics

Chair: Dr. Gabriel Martinez, Associate Professor of Economics and Director of Online Education

Economics is the science of how human societies satisfy their material needs and wants with limited material resources. It is the science of scarcity, of individual incentives, of costs and benefits, of unintended consequences, of social coordination by the free-market's invisible hand and the government's deliberate policy making. It is a positive science: it aims at the comprehension of sound insights and truthful data about economic behavior. It is also a normative science: it aims at the principled use of these insights and data for the making of economic decisions as individuals, businesses, and governments. Students who major in Economics at Ave Maria University learn to appreciate and understand the breadth, power, and limitations of economics as an academic discipline.

Economics makes abundant use of rigorous logic, mathematics, and statistics and it interacts with ethics, culture, and politics. Drawing on Catholic social teaching, Economics at Ave Maria University sees the economy as a means for the fulfillment of the human person and emphasizes human dignity, solidarity, and subsidiarity. We seek to contribute to earthly progress and "the better ordering of human society, [as] it is of vital concern to the Kingdom of God" (*Gaudium et Spes*, 39). Economics majors come to appreciate the breadth of economics as an academic discipline, to see its relation to the other disciplines, and to understand the many aspects of human experience to which the insights of the economist are relevant. Drawing from the Western intellectual tradition, from Revelation, and from the collective wisdom of the profession, Economics at Ave Maria University offers students a better understanding of social reality and a means to improve it.

The Economics major exemplifies the dialogue between faith and reason by integrating Catholic social teaching with the rigor and intellectual honesty of the science of economics. A challenging and rewarding program, the Economics major contributes to the cultivation of intellectual and moral virtues and it serves society by seeking the truth about economic behavior.

There is a significant demand for university graduates with a general training in economics. The importance of economics is recognized in business and government as well as in college and university teaching. Economics majors use their talents in educational and financial institutions, in government agencies, and in the corporate sector. A degree in economics is an excellent preparation for graduate study in law, business administration, public administration, public policy, and advanced economics.

## Student Learning Goals and Outcomes for the Major in Economics

Goal 1: Students will be capable of thinking and writing like economists, of making sound, well-integrated, and well-informed arguments about the national and global economy and apply the higher-order thinking skills of analysis, synthesis, and evaluation to economic problems.

Outcome 1: Students will be able to identify and describe the most significant facts, policies, and institutions of the U.S. economy and those of other countries.

Outcome 2: Students will be able to identify, describe, and communicate standard economic concepts, principles, and theories and use these principles to interpret and predict economic phenomena. Students should also be able to identify the most important figures from the history of economic thought.

Outcome 3: Students will be able to interpret and apply standard statistical tools and mathematical tools used in economics and able to identify sources of economic data.

Outcome 4: Students will be able to identify and describe the main principles of Catholic social teaching and able to incorporate its principles into economic arguments as appropriate.

Outcome 5: Students will be able to discuss economic proposals with strong communication skills, with an appropriate use of theory and evidence.

Outcome 6: Students will be able to conduct undergraduate-level research with the appropriate skills, tools, and methodology.

## Typical Order of Required Courses for the Major

ECON 201 Principles of Macroeconomics

ECON 202 Principles of Microeconomics

STAT 230 Applied Statistics

ECON 301 Intermediate Macroeconomics

ECON 302 Intermediate Microeconomics

THEO 315 Catholic Social Teaching

ECON 490 Senior Seminar: Applied Economic Theory

## Elective Major Courses (three required)

ECON 250 Family, Gender, and Society

ECON 305 Fiscal Policy

ECON 310 History of Economic Thought

ECON 316 Market, State, and Institutions

ECON 330 Labor Economics and the Economics of Poverty

ECON 332 Strategic Thinking and Game Theory

ECON 403 Introduction to Econometrics

ECON 415 Special Topics in Economics

ECON 420 Economics and Ethics of Development

ECON 421 Globalization and International Macroeconomics

ECON 433 Industrial Organization and Public Policy

## Minor in Economics

A minor in economics can be combined with other majors in the University and provides an excellent foundation for careful and ethical thinking about social and business problems. The Minor in Economics consists in six courses. The required courses are ECON 201, ECON 202, and THEO 315. For the three electives, students can choose any other three economics courses.

## Course Descriptions

### ECON 201 PRINCIPLES OF MACROECONOMICS

This basic course in the economics of nations and the world addresses aggregate demand and supply analysis; the determination of national income and the price level; the determinants of economic growth; saving and investment, foreign exchange, and international capital flows. Economic policy making by the government is mainly concerned with low inflation and high employment: consequently, the course will include a critical examination, in the light of different schools of economic

thought, of the role of government in price and income stability. Prerequisite: MATH 110 with a minimum grade of C-. (4 credits)

#### ECON 202 PRINCIPLES OF MICROECONOMICS

The course will study how, within a market system, individuals and firms use factors of production to satisfy economic needs, emphasizing that the economy is a means and not an end. The course will study the behavior of individuals and firms and market coordination and adjustment by focusing on consumer demand, theories of production and cost, pricing and output under competitive and non-competitive conditions, and factor usage and pricing. The basics of general equilibrium analysis, international trade, the economics of government, natural resource economics, and policies to increase efficiency and diminish inequality and poverty may also be included. Prerequisite: MATH 110 with a minimum grade of C-. (4 credits)

#### ECON 250 FAMILY, GENDER, AND SOCIETY

This course is an introduction to contemporary social science, with a particular focus on family, marriage, and gender in American society today. Topics to be addressed include: marriage and human welfare; gender and gender differences; motherhood; fatherhood; family and family formation; cohabitation and emerging adulthood; the phenomenon of non-marital childbearing in urban America; divorce, including trends, causes and consequences; the contraceptive revolution, particularly the effects of abortion and the Pill on fertility and the family; demographic trends; and special topics, which may include particular current family issues in American society. Throughout the course, students will be introduced to the theory, methods, benefits and limitations of contemporary social science. Attention will also be given to the relationship between social science findings and the Church's teachings. Course materials are drawn from articles, scholarly monographs, and reports in economics, sociology, social psychology, and demographics. This course is the foundational course for the Family and Society Minor program but stands alone as an elective course for the Economics major, the Political Economy & Government major, and the Psychology major. Prerequisites: None; STAT 230 recommended. (4 credits)

#### ECON 301 INTERMEDIATE MACROECONOMICS

This course deepens the analysis of ECON 201, continuing to examine macroeconomic theories of the determination of national income, employment, the price level, interest rates, exchange rates, and economic growth. It includes a study of the trade-off between the economic goals of low unemployment and low inflation, of monetary and fiscal policy to achieve them, and of the policy positions of various schools of thought. It gives importance to international macroeconomics, to the role of technology in growth, and to issues of economic policy making. Employs standard analytic tools. Prerequisite: ECON 201. (4 credits)

#### ECON 302 INTERMEDIATE MICROECONOMICS

Deepens the analysis of ECON 202. We will deepen the focus on contemporary theories of consumer and firm behavior, prices, and resource allocation. Examines firm behavior for several market structures, with a critical evaluation of the economic means used to achieve the ends of efficiency and equity. Prerequisite: ECON 202. (4 credits)

#### ECON 305 FISCAL POLICY

This course is intended to introduce students to the fundamental elements of both public policy and fiscal policy. In the first part of the course, emphasis will be given to goals of public policy, how political concerns impact policy choices, and ways that various policy goals can reinforce each other and contradict one another. In the second part of the course these tools will be used to analyze the federal budget. Careful attention will also be paid to important components of the federal budget including entitlements, defense spending, and discretionary non-defense spending. (4 credits)

#### ECON 310 HISTORY OF ECONOMIC THOUGHT

This course is an introduction to the history of economic thought. Its goal is to familiarize students with how and why the study of economics has changed over time and with the kinds of questions economists ask and how they go about answering

them. An important component of the course is the historical context in which economics evolved: hence we will also touch on economic history. The course covers primary and secondary sources on thinkers and ideas, like Aristotle, Adam Smith, Karl Marx, Alfred Marshall, and John Maynard Keynes. (4 credits)

#### ECON 316 MARKETS, STATE, AND INSTITUTIONS

This course studies various ways of organizing an economy and making economic policy through the writings of economists and social philosophers. Most economists have considered alternatives from complete laissez faire to total government control, through a mixed economy with varying degrees of government intervention. A major emphasis of this course is studying and going beyond the market/state dichotomy and introducing intermediate organizations as key to the functioning of a healthy economic society. Texts from pro-free market, pro-state intervention, and pro-subsidiarity thinkers (such as Locke, Friedman, Hayek, Marx, Keynes, Okun, Galbraith, North, Putnam or Schumacher) are included. (4 credits)

#### ECON 329 BUSINESS AND ECONOMIC FORECASTING

The aim of this course is to give students a thorough working knowledge of forecasting fluctuations in business and economic data. Economic analysis is aimed at explaining the nature of the real world; the intent in this course is to integrate theory and application. The course covers standard methods such as moving averages and exponential smoothing, regression analysis, time-series decomposition, ARIMA models, etc., as well as subjective forecasting, with an emphasis on the importance of combining many kinds of forecasts. Cross-listed with BUSN 329. Prerequisite: STAT 230. (4 credits)

#### ECON 330 LABOR ECONOMICS AND THE ECONOMICS OF POVERTY

Theory and evidence concerning the functioning of the labor market. Particular emphasis on the roles played by government and institutions. Topics include minimum wages, labor market effects of social insurance and welfare programs, the collective bargaining relationship, discrimination, human capital, unemployment, the role of technology, class, gender, race, and law through a historical discussion. The economics of poverty are analyzed through an examination of the extent and causes of poverty, mainly in the United States. The current system of government programs to combat poverty is analyzed. Economic studies integrated with insights from other social sciences. Prerequisites: ECON 201, ECON 202. Co-requisite: ECON 302. (4 credits)

#### ECON 332 STRATEGIC THINKING AND GAME THEORY

The course develops student's ability to understand and anticipate strategic interaction by focusing on the lessons and methods of game theory. Game theory has become an important tool for business managers and policy makers for analyzing and implementing tactical and strategic actions. Topics will focus on conflict situations, managerial, labor and industrial organization. Students will be actively encouraged to model strategic interaction from real-life circumstances, examples from history, and even fiction. ECON 433 draws on similar topics as this course. Prerequisites: ECON 201, ECON 202. (4 credits)

#### ECON 403 INTRODUCTION TO ECONOMETRICS

Introduction to econometric models and techniques, emphasizing regression. This course provides an introduction to econometrics for students who have completed a course in introductory statistics (including estimation and hypothesis testing based on sample data and simple least squares regression). It aims to provide a solid practical basis in the subject and to enable students to be able to understand and interpret results published by applied economists in books and journals and also to undertake empirical work of their own. The course will place more stress on understanding and properly applying methods than on formal derivations and proofs. Advanced topics include instrumental variables, panel data methods, measurement error, and limited dependent variable models. Cross-listed with FINC 403. Prerequisites: ECON 201, ECON 202, STAT 230. (4 credits)

**ECON 415 SPECIAL TOPICS IN ECONOMICS**

Topics vary from year to year at the discretion of the faculty. They may include: American Economic History; Economic History of Latin America; and Law and Economics. (4 credits)

**ECON 420 ECONOMICS AND ETHICS OF DEVELOPMENT**

This course examines the causes, consequences and possible solutions of economic problems of developing countries, particularly Latin America. The course focuses on the historical features of developing countries and their institutions; theories of long-run economic growth; population, poverty and inequality; trade, finance, macroeconomic instability, and the balance of payments; the role of the State. The course integrates the economics of the issues with an analysis of the goals of development and key principles of development ethics, such as participation, solidarity, and subsidiarity. Prerequisites: ECON 301, ECON 302, STAT 230. (4 credits)

**ECON 421 GLOBALIZATION AND INTERNATIONAL MACROECONOMICS**

This course focuses on how countries interact with one another in the short-run determination of output, interest rates, and exchange rates and on capital flows between countries. The course will emphasize the evolution of the world monetary system since 1945; financial and non-financial theories of short-run fluctuations; and current macro-policy problems of developing countries. Prerequisites: ECON 301, STAT 230. (4 credits)

**ECON 433 INDUSTRIAL ORGANIZATION AND PUBLIC POLICY**

This is a course in industrial organization, the study of firms in markets. Industrial organization focuses on firm behavior in imperfectly competitive markets, which appear to be far more common than the perfectly competitive markets that are the focus of a basic microeconomics course. This field analyzes the acquisition and use of market power firms, strategic interactions among firms, and the role of government competition policy. The course will approach this subject from both theoretical and applied perspectives. Prerequisites: ECON 301, ECON 302, STAT 230. (4 credits)

**ECON 490 SENIOR SEMINAR: APPLIED ECONOMIC THEORY**

The goal of this seminar – intended to be the student's final Economics course – is to introduce students to some areas of current research in both macroeconomics and microeconomics and to help them to do some independent research on a topic of interest. The course begins with a detailed reading of a small number of articles from professional economics journals on a variety of applied topics, followed by a comprehensive exam on intermediate-level economic theory. The second half of the semester is devoted to student presentations, discussions, and a final research paper (which will serve as a thesis in economics). That paper, about 20-25 pages in length, summarizes professional research on an appropriate topic area. Prerequisites: ECON 301, ECON 302, STAT 230. (4 credits)

**STAT 230 APPLIED STATISTICS**

A self-contained introduction to statistical inference with applications in economics and the social sciences. Univariate and multivariate descriptive statistics, probability theory, sampling distributions, statistical inference, hypothesis testing, simple and multiple regression analysis. Intensive use of statistical software is a key component of the course. Prerequisite: MATH 110 with a minimum grade of C- or MATH 150. (4 credits)

## Typical Plan—Economics (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110 College Algebra           | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | ECON 201 Principles of Macroecon    | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| Elementary Foreign Language        | 4              | Intermediate Foreign Language       | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|----------------------------------|----------------|--------------------------------|----------------|
| PHIL 205 Nature and Person       | 4              | PHIL 206 Ethics                | 4              |
| THEO 205 Sacred Doctrine         | 4              | POLT 203 American Civilization | 4              |
| Science I with Lab               | 4              | Science II with Lab            | 4              |
| ECON 202 Principles of Microecon | 4              | STAT 230 Applied Statistics    | 4              |
| Total                            | 16             | Total                          | 16             |

### Junior Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>          | <u>Credits</u> |
|------------------------------------|----------------|---------------------------------|----------------|
| ECON 301 Intermediate Macroecon    | 4              | ECON 302 Intermediate Microecon | 4              |
| THEO 315 Catholic Social Teaching* | 4              | Economics Elective              | 4              |
| General Elective                   | 4              | General Elective                | 4              |
| General Elective                   | 4              | General Elective                | 4              |
| Total                              | 16             | Total                           | 16             |

### Senior Year

| <u>Fall Semester</u> | <u>Credits</u> | <u>Spring Semester</u>  | <u>Credits</u> |
|----------------------|----------------|-------------------------|----------------|
| Economics Elective   | 4              | ECON 490 Senior Seminar | 4              |
| Economics Elective   | 4              | General Elective        | 4              |
| General Elective     | 4              | General Elective        | 4              |
| General Elective     | 4              | General Elective        | 4              |
| Total                | 16             | Total                   | 16             |

\*Students may apply THEO 315 to the requirements for both the Core Moral Theology requirement and the Economics major.

# Elementary Education

Chair: Dr. Kathy Christensen, Associate Professor of Education

## The Educator Preparation Program (EPP)

The Educator Preparation Program (EPP), housed under the Education Department at Ave Maria University, is a Florida state-approved program offering a Bachelor of Arts in Elementary Education (K-6). As such, our program is aligned with the Florida Educator Accomplished Practices (FEAPs) standards. Graduates of our program are eligible for a Florida state teaching license. Further, our program is designed to meet the requirements of the Florida Reading and English as a Second Language (ESOL) Endorsements. Aspiring educators receive training with the knowledge, skills, and professional dispositions needed to make a positive impact on K-6 student learning. Integrated throughout the program are methodologies to deliver comprehensive instruction to English learners, to work with special populations, and integrate technology for greater student engagement.

## Mission

The Education Department at Ave Maria University strives to prepare highly qualified, creative, culturally competent, ethical and critically reflective educators. Animated by a conceptual framework emphasizing character, knowledge and service, we seek to form teachers committed to personal integrity and good moral character, who are dedicated to providing the best possible education for all students.

In fulfilling its mission, the Education Department has adopted the following specific goals:

- (1) To provide a challenging undergraduate program with a focus on Catholic and classical education that encourages creativity, intellectual depth, breadth, and curiosity;
- (2) To instill in its graduates an appreciation for the human condition (especially as rooted in Catholic understandings vis-à-vis the nature and dignity of the human person) and a commitment to service of others and to life-long learning;
- (3) To provide high quality, standards-based instruction, including the modeling of best practices, that prepare aspiring educators to meet the needs of diverse learners;
- (4) To provide aspiring educators with the content knowledge, pedagogical knowledge and skills, and professional dispositions requisite in the field;
- (5) To provide field and clinical experiences that empower aspiring educators to make theory to practice connections in diverse K-6 settings.

## Philosophy

Founded on the belief that the human person seeks knowledge, love and happiness and is naturally oriented toward truth, we believe that education is a powerful tool to help others flourish. We believe that the role of an educator is to be a role model: to be a living, coherent, and sincere witness to a love for life, knowledge, and service to others. A deep concern about others, their welfare, dignity, and freedom, is at the core of the student-teacher relationship. The degree to which our teacher candidates hold a passion for the subject under consideration and a love for others is the degree to which they will be successful educators. All of the state-of-the-art pedagogical skills and professional practices our teacher candidates master during their time in our program will build on this foundation. While implementing methodologies and practices proper to the discipline and compliant with state guidelines, the program will maintain a deliberate and explicit foundation in the philosophical and theological insights of the Catholic tradition, especially its understandings related to the nature and dignity of the human person, the nature of Truth, and the unity of all knowledge as ultimately rooted in the order of God and creation.

Holding that education is more than simply preparing students for college and career, our teacher candidates will also attend to human liberation and orient their students to transcendental realities related to truth, beauty and goodness.

## Teacher Candidate Learning Outcomes for the Major in Elementary Education

Goal 1: Students will demonstrate understanding and successful practice of each of the six Florida Educator Accomplished Practices (FEAP's).

Outcome 1: Teacher candidates will demonstrate understanding and successful practice of each of the following Florida Educator Accomplished Practices (FEAP's):

- A1. Instructional design and lesson planning
- A2. The learning environment
- A3. Instructional delivery and facilitation
- A4. Assessment
- B1. Continuous professional improvement
- B2. Professional responsibility and ethical conduct

Teacher candidates will also demonstrate competency in all elements of the Unified Core Curricula as outlined by the Florida Department of Education

Outcome 2: Teacher candidates will demonstrate the ability successfully to develop, teach, and manage a classroom in a full-time one semester student internship.

Outcome 3: Teacher candidates will be able to articulate the unique elements of Catholic and classical educational philosophy.

Outcome 4: Teacher candidates will demonstrate the following professional dispositions:

### 1. Character

- a. Is a person of integrity, transparency, consistency and honesty who exhibits the highest professional ethics.
- b. Is a person of fairness and openness who is committed to recognizing the worth and dignity of all students in their care through healthy and cooperative relationships.

### 2. Knowledge

- a. Is passionate about learning.
- b. Is intellectually and academically curious.
- c. Is joyful and engaging in sharing what has been learned.
- d. Is active and willing in seeking out and accepting suggestions for professional improvement toward continued growth and learning.
- e. Is knowledgeable about research based best practices in education.

### 3. Service

- a. Is supportive, and encouraging of all students.
- b. Is considerate of student learning style, background, and need, when determining learning strategies and how best to meet and accommodate the needs of individual students in light of research based best practices.



- c. Is able to use quality assessments to identify signs of student difficulty, especially in reading and computational processes, and thereby design and adjust instruction to affect student improvement.
- d. Is clear in establishing high expectations for all students in the belief that all students can learn.

## Admissions Policies

All policies and department guidelines are presented in the Education Department Administrative Handbook and are designed to meet all requirements expected by the State of Florida for approved initial teacher preparation programs.

The Ave Maria University Major in Elementary Education (K-6) is designed to fulfill Florida certification requirements for teaching grades K-6, including ESOL and Reading Endorsements. Typically, teacher candidates formally begin the major in the Fall of the junior year after completing prerequisite courses in educational foundations, educational psychology, and a career discernment seminar in the Spring semester of their sophomore year. Teacher candidates must maintain a 2.5 grade point average throughout the program and a minimum grade point average of 2.5 in all education coursework. A grade below a C- in any education course requires repeating the course.

Most Education courses contain clinical placement-based activities, which are completed via a practicum experience. Teacher candidates need to reserve either one full day or two half days a week to complete the clinical placement components. Teacher candidates are responsible for their own transportation to the clinical placement sites. A formal application to the capstone internship must be completed in the Fall semester of the senior year. During the capstone internship in the Spring semester of the senior year, teacher candidates assume the full schedule and duties of a classroom teacher. Therefore, any outside employment or extracurricular activities during the internship semester is strongly discouraged but should be discussed with the department chair.

Teacher candidates will incur additional expenses for state tests, fingerprinting, data base access, and transportation to fieldwork assignments and should plan accordingly.

The Florida Teacher Certification Examinations (FTCE) are the statewide assessments required by the Florida State Board of Education. Official score reports must be submitted directly from the testing service to Ave Maria University Educator Preparation Program (EPP) and to the Florida State Department of Education. Candidates must meet the requirements in effect at the time the certification application is received at the Florida State Department of Education.

Advising is essential for successful completion of the Educator Preparation Program. Variations from the planned program of study without the consent of your advisor may result in failure to be recommended for certification. Regular consultation with an advisor is necessary so that candidates can be apprised of program revisions that result from mandated changes in State certification requirements.

Educational Organization: Kappa Delta Pi (KDP) is the International Honor Society in Education. Ave Maria University is proud to have sponsored an active chapter, Alpha Iota Xi, since 2018. Membership in the Alpha Iota Xi is by invitation to education majors in good standing with a minimum cumulative GPA of 2.75 and at least 22 hours of completed Education coursework. Other requirements as listed in the Bylaws of the chapter also apply.

## Benchmarks for Progress for the Education Major Teacher Licensure Program

The Educator Preparation Program (EPP) at Ave Maria University requires candidates to meet all criteria according to the decision points/benchmarks noted below. These benchmarks allow students to progress successfully through the Elementary Education (K-6, Reading and ESOL infused) program, thereby earning licensure eligibility with the Florida Department of Education (FDOE). Each benchmark must be passed before the teacher candidate may proceed to the next benchmark.

The Education Admissions Committee is composed of all members of the Education Department at or above the rank of Assistant Professor. The Committee is chaired by the Department Chair who will also hold the deciding vote on an Educator applicant in the event of a tie.

*Benchmark #1, Preparation and Application to the Elementary Education Licensure Program*

To be completed by end of: Second Semester (Spring) Sophomore Year

- A grade of C- or higher in the following courses: EDUC 201 (Education Foundations, 4 credits), EDUC 302 (Educational Psychology, 4 credits), EDUC 205 (Technology Integration in Elementary Classrooms, 3 credits), and EDUC 203 (Career Path, 0 credits).
- Myers-Briggs Indicator Type Assessment
- Purchase of TK20 online software package
- Passing score on all the sections of the **FTCE General Knowledge Test** mandated by the State of Florida (Tests will be taken as part of EDUC 203 in the Spring semester of the Sophomore year)
- 1 professional letter of recommendation
- Minimum of 2.5. GPA or higher
- Acceptable pre-evaluation of Professional Dispositions (1<sup>st</sup> Administration)
- A well-written philosophy of education
- Fingerprinting and background clearance with the local school district
- A formal application/interest letter to the Elementary Education (K-6) Program highlighting areas of strengths and reasons why the candidate should be admitted
- A dated and signed copy of the "Benchmarks for Admission, Progress, and Completion of the Elementary Education (K-6) Program"
- A successful interview by the Education Admission Committee
- A successful essay responding to an education prompt
- An official notice of denial or acceptance into the program will be issued to the candidate by August 15.

*Decision Point/Benchmark #2, Admission to and Progress in the Elementary Education Licensure Program*

To be completed by end of: First Semester (Fall) Junior Year

- Minimum of 2.5. GPA or higher
- Passing score on all the sections of the FTCE Professional Knowledge Test mandated by the State of Florida. The Test is not part of a course and so should be taken independently by an Elementary Education candidate. The Test can be taken during summer following the sophomore year or during the fall of the junior year.
- Candidates are cleared to proceed with the following EDUC courses: EDUC 220, EDUC 230, EDUC 240, EDUC 250, and EDUC 204(Practicum I).
- Passing grade of 75% or higher on all FEAPs-related critical assignments. All FEAPs-related critical assignments must be archived in candidates' TK20 account

To be completed by end of: Second Semester (Spring) Junior Year:

- Minimum of 2.5. GPA or higher
- Passing score on all the sections of the FTCE Subject (K-6) Test mandated by the State of Florida (\*Scores may be received before the start of the Fall semester of Senior Year. Candidates should take the test on their own, as it is not part of a course. .
- Candidates are cleared to proceed with the following EDUC courses: EDUC 210, EDUC 330, EDUC 340, EDUC 350, and EDUC 304 (Practicum II)
- Passing grade of 75% or higher on all FEAP-s related critical assignments. All FEAPs-related critical assignments must be archived in candidates' TK20 account.

*Decision Point/Benchmark #3, Application and Admission to Student-Teaching/Internship in the Elementary Education Licensure Program*

To be completed by end of: First Semester (Fall) Senior Year:

- Minimum of 2.5. GPA or higher
- Completion of a minimum of 200 hours of practicum/early-field clinical experiences (as documented in EDUC 204, 304 and 404)
- Continued acceptable evaluation of Professional Dispositions (2nd Administration)
- Passing grade of 75% or higher on all FEAPs-related critical assignments. All FEAPs-related critical assignments must be archived in candidates' TK20 account
- Candidates are cleared to proceed with the following EDUC courses: EDUC 310, EDUC 360, EDUC 370, EDUC 380, EDUC 390, and EDUC 404 (Practicum III)
- Completion of a student-teaching/internship application packet (passing scores of all three state-mandated FTCE tests – General Knowledge, Professional Knowledge, and Subject K-6 – must be received and archived no later than the month of October in the Senior Year First Semester (Fall).
- Mandatory attendance at pre-student teaching/internship meetings (Topics covered include: Grade Preference Placement Form, Fingerprinting/Badge procedures, Student Teaching/Internship Handbook, EDUC 400 Student Teaching/Internship Course format and requirements, etc.)
- The Education Admission Committee will determine whether the candidate has met the requirements for student teaching and will notify the candidate in writing of his/her status by December 1.

To be completed by end of: Second Semester (Spring) Senior Year:

- 14-weeks long student teaching/internship at cooperating school
- Active and sustained participation in EDUC 400 seminar (penalty for three or more absences unless documented in extenuating circumstances)
- Completion of student teaching/internship capstone projects, portfolio, and oral presentation
- Passing score on all student teaching/internship evaluative criteria as assessed by the cooperating teacher and the university supervisor
- A grade of C or higher in the EDUC 400 course.

*Decision Point/Benchmark #4, Graduation and Follow-up*

To be completed by end of: Second Semester (Spring) Senior Year and beyond (as an alumna/alumnus)

- Completion of all courses for core and major.
- Graduate Program Effectiveness Survey
- Employer Verification and Survey
- Filing with the FDOE for a license is a separate process for which the graduate is responsible.

**Required Courses for the Major (64 total credits)**

EDUC 201 Educational Foundations (0 credits)  
 EDUC 203 Career Path (0 credits)  
 EDUC 204 Practicum I (2 credits)  
 EDUC 210 Measurement and Assessment in the Classroom (3 credits)  
 EDUC 220 Instructional Strategies (3 credits)  
 EDUC 230 Reading Instruction: Principles and Methods (3 credits)  
 EDUC 240 Classroom Management and Organization (3 credits)  
 EDUC 250 ESOL Foundations (3 credits)  
 EDUC 302 Educational Psychology (4 credits)

EDUC 304 Practicum II (2 credits)  
 EDUC 310 Teaching Social Studies in the Classroom (3 credits)  
 EDUC 330 Reading Instruction: Assessment and Differentiation (3 credits)  
 EDUC 340 Teaching Diverse and Exceptional Students (3 credits)  
 EDUC 350 ESOL: Curriculum and Methods (3 credits)  
 EDUC 370 Teaching Language Arts in the Classroom (3 credits)  
 EDUC 380 Teaching Mathematics in the Classroom (3 credits)  
 EDUC 390 Teaching Science in the Classroom (3 credits)  
 EDUC 400 Internship (with seminar) (14 credits)  
 EDUC 404 Practicum III (2 credits)

### Non-Certification Route to an Education Major

In only extenuating and exceptional circumstances and with the permission of the department chair, strong teacher candidates (e.g., double majors; transfer students, students who fail to reach any of the Educator Preparation Program's benchmarks) may pursue a non-certification route through the Education major. This route replaces the EDUC 400 Internship with general electives and replaces EDUC 330 and EDUC 250, and EDUC 350 with other EDUC electives. State testing is not required. Other departmental requirements remain. Teacher candidates who are permitted to complete the non-certification route to the Education major are responsible for seeking alternative certification post-graduation.

### Minor in Education

The Education Minor is a sequence of courses that allows students majoring in another discipline to develop familiarity with the teaching profession. While courses will serve as useful preparation for those who would like to enter a teaching career, this minor will not on its own satisfy the requirements for a Florida state teaching license. This program may help students seeking immediate employment in private schools which may not require state credentials or other schools that may provide a grace period to earn a credential after initial employment. The Ave Maria University student who completes the Minor in Education will have an exceptional comprehensive liberal arts grounding combined with a major in a discipline of study. In addition to the required courses listed below, students minoring in Education are welcome to take additional Education courses provided all other course prerequisites and requirements are met.

### Required Courses for the Minor

EDUC 201 Educational Foundations (4 credits)  
 EDUC 210 Measurement and Assessment in the Classroom (3 credits)  
 EDUC 220 Instructional Strategies (3 credits)  
 EDUC 240 Classroom Management and Organization (3 credits)  
 EDUC 302 Educational Psychology (4 credits)

### Course Descriptions

#### EDUC 201 EDUCATIONAL FOUNDATIONS

This course is designed to acquaint the student with the basics of the teaching vocation. It will expose teacher candidates to the elements involved in the art and science of teaching as well as the sociological, historical, and philosophical foundations of education. It will particularly focus on key elements informing American education, classical education, and Catholic education. This course will also introduce the principles and practices of elementary and secondary education, including

curriculum planning, evaluation procedures, classroom management, Core Curriculum standards and school organization. This course is ESOL infused. Eight (8) hours of field experience is required. (4 credits)

#### EDUC 203 CAREER PATH

This course will help the AMU student decide whether a profession in teaching is the right path for him or her. Potential teacher candidates will prepare for the FTCE general knowledge test, set up their TK20 software account, get fingerprint clearance, prepare their application into the formalized program for teachers, complete the application process for internship in the local schools, and reflect on the dispositions important for a career in education. (0 credits)

#### EDUC 205: TECHNOLOGY INTEGRATION IN ELEMENTARY CLASSROOMS

This course explores how technology may be used as a 21<sup>st</sup> Century tool in K-6 classrooms to maximize prospective teacher's instructional methodologies and to promote K-6 student learning. The course will address how technology can be integrated across various subjects of the K-6 curriculum as an engaging and effective tool to meet the needs of diverse learners. The course will be held in a technology-rich environment to provide opportunities for hands-on learning for prospective teachers. The knowledge, skills, and attitudes necessary for using technology in K-6 classrooms covered in this course are aligned with standards recommended by the International Society for Technology in Education (ISTE). The course requires 15 credits of field observation. (3 credits).

#### EDUC 210 MEASUREMENT AND ASSESSMENT IN THE CLASSROOM

This course will provide the student with information related to classroom assessment concepts and the principles needed for effective evaluation of learning outcomes. It will focus on establishing credible performance standards, communicating those standards and providing feedback as well as matching assessments to these standards for positive consequences and practicality. Construction and measurement of various assessment techniques for formative and summative assessments such as selected response, constructed response, portfolio and feedback will be presented. Current assessment strategies such as e-portfolio and electronic grading and assessing of students with special needs and ELL students will be reviewed as will principles of validity, reliability and bias for standardized tests. (3 credits)

#### EDUC 220 INSTRUCTIONAL STRATEGIES

This course will provide the teacher candidate the opportunity to analyze learning theories and their application in a classroom setting. Teacher candidates will learn the process of planning for, and choosing, effective instructional strategies to enhance student learning as well as how effectively and appropriately to integrate different types of technology into the instructional process. Fifteen (15) hours of field experience is required. (3 credits)

#### EDUC 230 READING INSTRUCTION: PRINCIPLES AND METHODS

This course provides aspiring teachers with the knowledge needed for the effective teaching of reading. This essential knowledge encompasses the careful examination of the hierarchy of skills needed for stages of reading process and the cognitive and linguistic systems that are components of this process. Topics include: understanding of the sound system (phonetics, phonology), word formation (morphology), syntax, semantics, pragmatics, and the role of context. Attention will be given to the interaction between the writing system and the sound system; understanding and evaluating trends and current approaches, methods, and techniques for the teaching of reading and analysis and discussion of reading research. Teacher candidates will apply, analyze, and examine teaching strategies for decoding and comprehension; as well as techniques for supporting readers as they try out and practice the strategies. Teacher candidates will have the opportunity to reflect, research and report on reading approaches, methods and techniques. This course is ESOL infused. Fifteen (15) hours of field experience is required. (3 credits)

**EDUC 240 CLASSROOM MANAGEMENT AND ORGANIZATION**

This course will provide the teacher candidate with classroom management skills, including understanding the major theories animating management of student behavior, discussion of effective classroom rules and procedures, school safety, parental involvement, legal issues related to the rights and responsibilities of teachers, and strategies for creating a positive, safe environment to meet the needs of all students. Fifteen (15) hours of field experience is required. This course is ESOL infused. (3 credits)

**EDUC 250 ESOL FOUNDATIONS**

This course provides information and skills as to how to teach English language learners (ELLs) from diverse cultural backgrounds. Both foreign-born ELLs and U.S.-born ELLs have varied needs as they develop the necessary skills to learn the English language and academics at school. Pre-service teachers will understand how a second language – in this case, English – should be taught and learned in a school where ELLs must learn academic content in English. This involves getting to know ESOL policies, programs, and practices. Topics include how ELLs acquire a second language; how to teach a second language and other content areas to ELLs with diverse cultural backgrounds and at varying English proficiency levels; what their academic needs are; and how to measure ELLs' progress adequately in assigned content areas. Fifteen (15) hours of field experience is required. (3 credits)

**EDUC 302 EDUCATIONAL PSYCHOLOGY**

This course will examine learning theories and models of teaching with particular attention to examining the philosophical, developmental, and psychological roots of various approaches. It is designed to prepare Teacher candidates in their future roles as teachers or primary educators of their children. The course is designed to enable teacher candidates to better assess current trends in schooling and the psychological and cultural foundations behind them. (4 credits)

**EDUC 304 PRACTICUM II**

This practicum will provide the teacher candidate approximately one full day or two half days a week in a cooperating local public school. Teacher candidates will work with a highly qualified classroom teacher and local administration to perform duties as required by the teacher and University course instructors. Teacher candidates will use this authentic setting to complete critical assignments from education courses taught during the semester. Teacher candidates will complete a reflection journal during the semester and attend required seminar sessions with their clinical supervisor. (2 credits)

**EDUC 310 TEACHING SOCIAL STUDIES IN THE CLASSROOM**

This course imparts effective teaching methodologies for teaching social studies in the classroom, specifically focusing on methods and objectives of academic subject matter at the appropriate grade level, student assessment, and current research in education. Field observation and instruction will be required. This course will also review relevant subject matter content. Fifteen (15) hours of field experience is required. (3 credits)

**EDUC 330 READING INSTRUCTION: ASSESSMENT AND DIFFERENTIATION**

This course will provide the aspiring teacher with the opportunity to learn about research and best practices in developmental reading and how to assess abilities and needs of individual students within the classroom, especially ELL students. Various materials and activities are developed for whole group, small group, and individual instruction, based on informal and formal assessment. This course is ESOL infused. Fifteen (15) hours of field experience is required. (3 credits)

**EDUC 340 TEACHING DIVERSE AND EXCEPTIONAL STUDENTS**

This course will focus the teacher candidate on recognition and instruction of students who may be, or have been, identified with learning disabilities or who are considered gifted and talented. Identification of exceptionality, causes of the exceptionality, and proficiency with appropriate instructional and systematic responses, such as the Response to Intervention (RTI) method, will be addressed. Emphasis will be placed on student learning styles, differentiated instruction techniques

and other skills and techniques to best reach, instruct, and inspire students with learning exceptionalities. Fifteen (15) hours of field experience is required. This class is ESOL infused. (3 credits)

#### EDUC 350 ESOL: CURRICULUM AND METHODS

This course will build on the teacher candidate's knowledge of applied linguistics and cross-cultural communication and extend their understanding of the nature and role of language and culture in classrooms. The teacher candidate will be able to plan, instruct, and assess English Language Learners (ELLs) in a K-12 setting. Teacher candidates will examine research-based strategies for supporting English language development as well as promoting comprehension and acquisition of grade level content. Curriculum development and assessment activities will be tied to content, language, and literacy goals for ELLs. This course requires fifteen (15) hours of field experience in a K-12 classroom setting. (3 credits)

#### EDUC 370 TEACHING LANGUAGE ARTS IN THE CLASSROOM

This course imparts effective teaching methodologies for teaching language arts in the classroom, specifically focusing on methods and objectives of academic subject matter at the appropriate grade level, evaluating student progress and current research in education. This course will also review specific and relevant subject matter content. The course includes participation in a school setting. This course is ESOL infused. Fifteen (15) hours of field experience is required. (3 credits)

#### EDUC 380 TEACHING MATHEMATICS IN THE CLASSROOM

This course imparts effective teaching methodologies for teaching mathematics in the classroom, specifically focusing on methods and objectives of academic subject matter at the appropriate grade level, student assessment, and current research in education. This course will also review specific and relevant subject matter content. This course includes participation in a school setting. Fifteen (15) hours of field experience is required. (3 credits)

#### EDUC 390 TEACHING SCIENCE IN THE CLASSROOM

This course imparts effective teaching methodologies for teaching science and social studies in the classroom, specifically focusing on methods and objectives of academic subject matter at the appropriate grade level, student assessment, and current research in education. This course will also review specific and relevant subject matter content. Field observation and instruction will be required. Fifteen (15) hours of field experience is required. (3 credits)

#### EDUC 400 INTERNSHIP WITH SEMINAR

Teacher candidates will spend approximately 14 weeks as full-time intern teachers in a participating elementary school working under the direction of a highly qualified co-operating teacher and school administrator. Teacher candidates will participate in classroom observation as well as direct teaching responsibility under the guidance of a University faculty member with clinical supervision qualifications. The co-operating K-12 teacher will make periodic evaluations. Required seminars at the University provide the teacher candidate with a supportive environment, helpful resources, and thought-provoking presentation and discussions on all aspects of the classroom experience. Teacher candidates will be required to complete a portfolio to demonstrate all of the Florida Educator Accomplished Practices. (14 credits)

#### EDUC 402 DIRECTED STUDY

Teacher candidates in the Education Program can fulfill additional field experience or other graduation requirements through a directed study under the supervision of the Education Department Chair or his or her designee. This directed study may include working directly with a highly qualified teacher who oversees the candidate's completion of exercises applicable to subjects taught in the Education Program. Candidates must complete course assignments as prescribed by the Education Department Chair. (4 credits)

#### EDUC 404 PRACTICUM III

This practicum will provide the teacher candidate approximately one full day or two half days a week in a cooperating local public school. Teacher candidates will work with a highly qualified classroom teacher and local administration to perform duties as required by the teacher and university course instructors. Teacher candidates will use this authentic setting to complete critical assignments from education courses taught during the semester. Teacher candidates will complete a reflection journal during the semester and attend required seminar sessions with their clinical supervisor. (2 credits)



## Typical Plan—Elementary Education (B.A.)

### Freshman Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| MATH 110, 120, 150, or 151         | 4       | THEO 105 Sacred Scripture           | 4       |
| COMP 101 Composition               | 4       | EDUC 201 Educational Foundations    | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| Elementary Foreign Language        | 4       | Intermediate Foreign Language       | 4       |
| Total                              | 16      | Total                               | 16      |

### Sophomore Year

| Fall Semester              | Credits | Spring Semester                | Credits |
|----------------------------|---------|--------------------------------|---------|
| PHIL 205 Nature and Person | 4       | PHIL 206 Ethics                | 4       |
| THEO 205 Sacred Doctrine   | 4       | POLT 203 American Civilization | 4       |
| Science I with Lab         | 4       | Science II with Lab            | 4       |
| Career Path                | 0       | EDUC 302                       | 4       |
| General Elective           | 4       |                                |         |
| Total                      | 16      | Total                          | 16      |

### Junior Year

| Fall Semester                     | Credits | Spring Semester                    | Credits |
|-----------------------------------|---------|------------------------------------|---------|
| EDUC 220 Instructional Strategies | 3       | EDUC 210 Measurement/Assessment    | 3       |
| EDUC 230 Reading: Principles      | 3       | EDUC 330 Reading: Assessment       | 3       |
| EDUC 240 Classroom Management     | 3       | EDUC 340 Teaching Diverse Students | 3       |
| EDUC 250 ESOL: Foundations        | 3       | EDUC 350 ESOL: Methods             | 3       |
| EDUC 204 Practicum I              | 2       | EDUC 304 Practicum II              | 2       |
|                                   |         | THEO 400 Living in Christ          | 4       |
| Total                             | 14      | Total                              | 18      |

### Senior Year

| Fall Semester                    | Credits | Spring Semester                  | Credits |
|----------------------------------|---------|----------------------------------|---------|
| EDUC 310 Teaching Social Studies | 3       | EDUC 400 Internship with Seminar | 14      |
| EDUC 370 Teaching Language Arts  | 3       |                                  |         |
| EDUC 380 Teaching Mathematics    | 3       |                                  |         |
| EDUC 390 Teaching Science        | 3       |                                  |         |
| EDUC 404 Practicum III           | 2       |                                  |         |
| General Elective                 | 4       |                                  |         |
| Total                            | 18      | Total                            | 14      |

# Environmental Science

Chair: Dr. Nicholas Curtis, Associate Professor of Biology

The Environmental Science (B.S.) degree is a science specialization based upon the fundamentals of biology and ecology. Offered by the Department of Biology, the environmental science program is built on the foundation of the B.A. Biology degree, but includes additional science courses necessary for a strong environmental degree.

Students entering this fast-growing and dynamic field can expect to become involved directly in addressing some of the significant problems related to human impact on the environment. It also enables students to attend graduate school if they choose, or to succeed in a number of environmental science-related careers. This comprehensive major is designed to meet the needs of students who desire a broadly based education in preparation for field/laboratory careers in such areas as applied environmental ecology, government service, teaching, and private industry/consulting.

Environmental Science prepares graduates to enter the diverse and vigorous environmental job market or advance to a graduate degree program in disciplines including botany, entomology, ecology, environmental engineering science, fisheries, forestry, landscape architecture, political science, resource economics, soil and water science, urban and regional planning, wildlife, or zoology or to a professional degree program in business, education, journalism, or law.

## Student Learning Outcomes for the B.A. in Environmental Science

Goal 1: Students will comprehend some of the significant problems related to human impact on the environment.

Outcome 1: Students will demonstrate knowledge of the interdisciplinary nature of environmental problems and possible solutions.

Outcome 2: Students will have an understanding of laboratory and field experimentation and different sampling techniques in the environmental disciplines.

Outcome 3: Students will demonstrate proficiency in understanding and use of the scientific literature as a tool for research and scholarship.

Outcome 4: Students will demonstrate a foundation in critical thinking skills related to the sciences, including the fundamentals of scientific inquiry, critical analysis of experimental data, and communication of results (oral and written).

Outcome 5: Students will be able to comprehend and understand significant environmental issues currently impacting society.

## Course Descriptions

Biology course descriptions are listed under the Biology Major.

## Required Courses for the Major

BIOL 105 Environmental Science I

BIOL 211 Biology I Cellular and Molecular Biology

BIOL 212 Biology II Organismal and Population Biology  
BIOL 220 Zoology  
BIOL 230 Botany  
BIOL 240 General Ecology or BIOL 241 General Ecology  
BIOL 303 Genetics  
BIOL 401 Microbiology  
BIOL 413 Critical Analysis II or BIOL 497 Directed Research  
CHEM 125 General Chemistry I

### Two Electives from among the following courses

BIOL 106 Environmental Science II  
BIOL 307 Marine Biology  
BIOL 310 General and Chemical Oceanography  
BIOL 321 Tropical Ecology and Field Biology  
BIOL 340 Conservation Biology  
BIOL 402 Microbiological Ecology  
BIOL 407 Marine Zoology  
BIOL 408 Marine Botany  
BIOL 438 Aquatic Ecology

### Minor in Environmental Science

#### Requirements:

BIOL 105 Environmental Science I  
BIOL 211 Biology I Cellular and Molecular Biology  
BIOL 212 Biology II Organismal and Population Biology  
BIOL 220 Zoology or BIOL 230 Botany  
BIOL 240 General Ecology (with laboratory) or BIOL 241 General Ecology (without laboratory)

### One from among the following courses

BIOL 106 Environmental Science II  
BIOL 307 Marine Biology  
BIOL 310 General and Chemical Oceanography  
BIOL 340 Conservation Biology  
BIOL 402 Microbiological Ecology  
BIOL 407 Marine Zoology  
BIOL 408 Marine Botany  
BIOL 438 Aquatic Ecology (with laboratory)

### Minor in Marine Biology

#### Requirements

BIOL 211 Biology I Cellular and Molecular Biology  
BIOL 220 Zoology or BIOL 230 Botany  
BIOL 240 General Ecology (with laboratory) or BIOL 241 General Ecology (without laboratory)

BIOL 307 Marine Biology

Two from among the following courses

BIOL 310 General and Chemical Oceanography

BIOL 321 Tropical Ecology and Field Biology

BIOL 407 Marine Zoology

BIOL 408 Marine Botany

BIOL 438 Aquatic Ecology

## Typical Plan—Environmental Science (B.A.)

### Freshman Year

| Fall Semester              | Credits | Spring Semester              | Credits |
|----------------------------|---------|------------------------------|---------|
| BIOL 211 Biology I         | 4       | BIOL 212 Biology II          | 4       |
| MATH 150 or MATH 151       | 4       | THEO 105 Sacred Scripture    | 4       |
| COMP 101 Composition       | 4       | General Elective             | 4       |
| LATN 101 Elementary Latin* | 4       | LATN 102 Intermediate Latin* | 4       |
| Total                      | 16      | Total                        | 16      |

### Sophomore Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| BIOL 230 Botany                    | 4       | BIOL 220 Zoology                    | 4       |
| BIOL 105 Environmental Science I   | 4       | POLT 203 American Civilization      | 4       |
| THEO 205 Sacred Doctrine           | 4       | General Elective                    | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| Total                              | 16      | Total                               | 16      |

### Junior Year

| Fall Semester                | Credits | Spring Semester                  | Credits |
|------------------------------|---------|----------------------------------|---------|
| BIOL 303 Genetics            | 4       | BIOL 401 Microbiology            | 4       |
| CHEM 125 General Chemistry I | 4       | BIOL 240 or BIOL 241             | 4       |
| PHIL 205 Nature and Person   | 4       | Environmental Science Elective** | 4       |
| General Elective             | 4       | PHIL 206 Ethics                  | 4       |
| Total                        | 16      | Total                            | 16      |

### Senior Year

| Fall Semester                    | Credits | Spring Semester      | Credits |
|----------------------------------|---------|----------------------|---------|
| THEO 400 Living in Christ        | 4       | BIOL 413 or BIOL 497 | 1       |
| Environmental Science Elective** | 4       | General Elective     | 4       |
| General Elective                 | 4       | General Elective     | 3       |
| General Elective                 | 4       | General Elective     | 4       |
|                                  |         | General Elective     | 4       |
| Total                            | 16      | Total                | 16      |

\*Latin is recommended, but not required.

\*\*Includes BIOL 106, BIOL 307, BIOL 310, BIOL 321, BIOL 340, BIOL 402, BIOL 407, BIOL 408, and BIOL 438.

# Exercise Physiology

Chair: Dr. Nicholas Curtis, Associate Professor of Biology

The Exercise Physiology (B.S.) degree provides students with a sound academic preparation in the acute and chronic responses to physical activity, in which implications for the practice of medicine and human performance are elucidated. The approach of the curriculum is to provide extensive consideration to nutrition science and health policy, each of which act as modifiers of behavioral adaptation, adherence, and promotion. Students gain a thorough understanding of the evaluation, interpretation, and prescription process to address both individual and population health. A primary focus is placed on three primary targets of prescription: optimizing health, optimizing performance, and preventing disease prevalence and/or progression. Students learn to appreciate the application of scientific research and transform classroom concepts into service projects for the benefit of the community, with consideration of the moral and ethical issues involved.

Each course in the Exercise Physiology curriculum provides a window into a specific field of study, allowing students to explore a wide variety of career possibilities. The Exercise Physiology major has become an ideal stepping-stone towards graduate programs in exercise physiology, biomechanics, public health, dietetics, strength and conditioning, and athletic training as well as doctoral degrees in medicine, physical therapy, and chiropractic. The expansion of scientific knowledge in exercise physiology and nutrition science has incentivized providers, employers, and insurers to incorporate wellness strategies to reduce the incidence and financial impact of chronic disease and maximize productivity. The fitness and human performance industries continue to grow into highly specialized niches, opening further job opportunities for graduates.

## Student Learning Outcomes for the Major in Exercise Physiology

Goal 1: Graduates will acquire knowledge of exercise physiology and related fields, demonstrate basic lab skills, create and implement exercise interventions, and appreciate the importance of physical activity on health.

Outcome 1: Graduates will demonstrate a sound foundational knowledge and understanding of the principles, theories, and content from the exercise science domains: exercise physiology, biomechanics, motor behavior, and nutrition.

Outcome 2: Graduates will demonstrate basic laboratory skills pertaining to assessments, laboratory methods, and sound experimental and analytical practices, data acquisition and reporting in the exercise sciences.

Outcome 3: Graduates will plan, implement, evaluate, report and revise physical activity and/or exercise interventions in clinical, health-related, and training environments.

Outcome 4: Graduates will understand the importance and influence of physical activity and exercise on health and advocate for physically active lifestyles as a means improving quality of life and reducing the risk and prevalence of lifestyle related diseases.

## Required Courses for the Major

BIOL 100 Medical Terminology

BIOL 201 Concepts in Biology I or BIOL 211 Biology I – Cellular and Molecular Biology

BIOL 200 Nutrition

BIOL 250 Health and Wellness

BIOL 304 Anatomy and Physiology I

BIOL 309 Anatomy and Physiology II  
 CHEM 105 Chemistry for Health Sciences or CHEM 125 General Chemistry I\*  
 EXER 220 Data Analysis in Health Science  
 EXER 270 Kinesiology and Biomechanics  
 EXER 300 Exercise Physiology  
 EXER 350 Care and Prevention of Athletic Injuries  
 EXER 490 Exercise Assessment  
 EXER 491 Exercise Prescription  
 PHYS 211 College Physics I or PHYS 221 University Physics: Mechanics\*  
 PSYC 370 Sport Psychology  
 3 electives in Exercise Physiology (6 credits)

#### Electives in Exercise Physiology (2 credits each)

EXER 250 Strength and Conditioning I  
 EXER 251 Strength and Conditioning II  
 EXER 380 Advanced Sports Nutrition  
 EXER 430 Cardiometabolic Disease Prevention  
 EXER 460 Exercise for Special Populations  
 EXER 499 Clinical Experience in Exercise Physiology

\*Course selection based on graduate school prerequisites.

#### Exercise Physiology Minor

BIOL 201 Concepts in Biology I or BIOL 211 Biology I Cellular and Molecular Biology  
 BIOL 304 Anatomy and Physiology I  
 BIOL 309 Anatomy and Physiology II  
 EXER 270 Kinesiology and Biomechanics  
 EXER 300 Exercise Physiology  
 PSYC 370 Sport Psychology

#### Course Descriptions

All courses are 4 credits unless otherwise noted. Biology course descriptions are listed under the Biology Major.

##### EXER 220 DATA ANALYSIS IN HEALTH SCIENCE

This course serves to assist students in developing skills in Microsoft Excel including computation, functions, and graphing. In addition, students are introduced to statistical variables used in Exercise Physiology and related fields in order to confidently interpret outcomes presented in research. This course specifically focuses on skills required by professionals in the areas of wellness, performance, and exercise research. Concepts from this foundational course are applied throughout the Exercise Physiology curriculum. (2 credits)

##### EXER 250 STRENGTH AND CONDITIONING I

With a large focus on the fundamentals of athlete assessment, evaluation, programming, and periodization techniques, this course reviews approaches to anaerobic and aerobic exercise prescription across the training cycle. This course provides practical and theoretical application for human performance. Laboratory activities are held concurrent with lecture. Students are introduced to training techniques for speed, agility, change of direction, olympic lifting, upper and lower body strength, and conditioning for aerobic and intermittent sports. This course is in partnership with the National Council on Strength and

Fitness (NCSF) and directly prepares students for either the NCSF Certified Strength Coach (CSC) or the National Strength and Conditioning Association's Certified Strength and Conditioning Specialist (CSCS) certification. Laboratory activities are held concurrent with lecture. (2 credits)

#### EXER 251 STRENGTH AND CONDITIONING II

This course expands upon concepts from EXER 250 to further prepare students for a future in athletic performance and certification in the field of strength and conditioning; with a focus on training technique, prevention of musculoskeletal injury, and overtraining. The purpose of the course is to prepare students to prescribe training programs for a spectrum of athletes. Laboratory activities are held concurrent with lecture. Prerequisites: EXER 250 (2 credits)

#### EXER 270 KINESIOLOGY AND BIOMECHANICS

The study of human movement, kinesiology, encompasses multiple sub-disciplines. This course explores concepts of neuromuscular recruitment, control of movement, functional anatomy, and biomechanics. Students are introduced to the fields of kinematics and kinetics and develop skills to perform movement analyses using motion-capture software. Kinematics is descriptive in nature and explains both static and dynamic motion in terms of displacement, velocity, and acceleration. Kinetics explains the underlying forces that cause and/or result from both static and dynamic motion. The purpose of the Kinesiology and Biomechanics course is for students to learn to capture, describe, and interpret human movement in qualitative and quantitative analyses. Prerequisites: BIOL 304. (4 credits)

#### EXER 300 EXERCISE PHYSIOLOGY

This course is designed to provide an in-depth exposure to the interaction of the cardiovascular, respiratory, endocrine, nervous, and musculoskeletal systems during exercise. Instruction emphasizes system responses to acute and chronic exercise, including mechanisms of fatigue, thermoregulation, energy utilization, and adaptation to the exercise stimulus. Concepts serve as a basis for exercise prescription and dietary recommendations for goals of reducing cardiometabolic diseases and optimizing performance. Prerequisites: BIOL 309. (4 credits)

#### EXER 350 CARE AND PREVENTION OF ATHLETIC INJURIES

Provides students with a broad foundation of sports medicine concepts. While the focus is on injury prevention, students will develop a greater understanding of the terminology and concepts related to acute injury recognition and the care, evaluation and treatment of common sport and fitness related injuries/conditions. Administration concepts will also be covered. Students will learn to demonstrate various taping applications and practice clinical skills. Prerequisite: EXER 304. (2 credits)

#### EXER 380 ADVANCED SPORTS NUTRITION

Students explore the latest research on recommendations to optimize body function and performance, calculate and manage nutrient timing to accelerate training adaptations, and monitor nutritional status for anabolic adaptations, effective fat loss, and body composition for health and sport performance. This course serves to prepare students for careers and certifications in the field of nutrition and athletic performance. Prerequisites: EXER 300. (2 credits)

#### EXER 430 CARDIOMETABOLIC DISEASE PREVENTION

This course provides an in-depth look at the biochemical pathways of insulin resistance, inflammation, and oxidative stress. Students explore research on the triggers and consequences of these underlying conditions of cardiometabolic diseases, as well as the roles of nutrition and physical activity on primary and secondary prevention. Through an understanding of the etiology and treatment of some of the most common and costly disease-states in the U.S., this course prepares students for advanced degrees and/or certifications in the fields of healthcare, wellness, and public health. Prerequisites: EXER 300 OR permission of instructor. (2 credits)



**EXER 460 EXERCISE FOR SPECIAL POPULATIONS**

The purpose of this course is to provide detailed review of key physiological considerations for exercise prescription in populations such as older adults, women, children, as well as those with pathological conditions including diabetes, heart disease, cancer, arthritis, and obesity. This special populations course includes a key focus on the assessment of functional capacity of the older adult and methods of training to prolong independence and maximize quality of life. Prerequisites: EXER 490. (2 credits)

**EXER 490 EXERCISE ASSESSMENT**

The purpose of this course is to examine the theory and practice of assessment methods for components of fitness across populations. Topics covered include measurement methods for energy expenditure, aerobic capacity, body composition, muscular strength and endurance, flexibility, balance, power, speed, and agility. Throughout the course, students compile their own assessment tool to be used outside of the classroom. Students are taught strategies for developing appropriate exercise assessments and how to quickly assess outcomes to establish dietary recommendations and movement prescriptions. Prerequisites: EXER 220, EXER 270, EXER 300. (3 credits)

**EXER 491 EXERCISE PRESCRIPTION**

Using collected with assessment techniques from EXER 490, this course focuses on prioritizing needs and developing appropriate exercise prescriptions using the latest research in the field. Students assess strategies for goal setting, aerobic exercise prescription, resistance training, static and dynamic flexibility, and explore variables such as performance thresholds and heart rate variability. Programming proficiency is assessed by developing need-based exercise prescriptions for adult and older adult populations. Students exit the course with the knowledge to sit for any accredited personal training certification. Prerequisites: EXER 490. (3 credits)

**EXER 499 CLINICAL EXPERIENCE IN EXERCISE PHYSIOLOGY**

The purpose of this field experience is to provide the student with a practical and professional learning environment. The students will be able to identify career interests in the field of exercise physiology and identify their skills and assets associated with the tasks they are presented with in their placements. They will have an increased awareness of the organizations operating in this field. They will have an opportunity for professional development in a practical setting and to enhance their marketability and employability. Students must complete at least 90 hours at their chosen internship site. Prerequisites: Permission of instructor. (2 credits)

## Typical Plan—Exercise Physiology (B.S.)

### Freshman Year

| Fall Semester                 | Credits | Spring Semester                   | Credits |
|-------------------------------|---------|-----------------------------------|---------|
| BIOL 201 or BIOL 211 with Lab | 4       | BIOL 304 Anatomy and Physiology I | 4       |
| MATH 150 or MATH 151          | 4       | THEO 105 Sacred Scripture         | 4       |
| COMP 101 Composition          | 4       | General Elective                  | 4       |
| Elementary Foreign Language   | 4       | Intermediate Foreign Language     | 4       |
| Total                         | 16      | Total                             | 16      |

### Sophomore Year

| Fall Semester  | Credits | Spring Semester                      | Credits |
|--|---------|--------------------------------------|---------|
| EXER 270 Kinesiology & Biomechanics  | 4       | BIOL 250 Health and Wellness         | 3       |
| CHEM 105 Chem for Health Sciences or<br>CHEM 125 General Chemistry I w/lab | 4       | EXER 220 Data Analysis in Health Sci | 2       |
| BIOL 309 Anatomy and Physiology II   | 4       | POLT 203 American Civilization       | 4       |
| CORE 101 Western Civ and Culture I   | 4       | PHIL 205 Nature and Person           | 4       |
|  |         | CORE 102 Western Civ and Culture II  | 4       |
| Total  | 16      | Total                                | 17      |

### Junior Year

| Fall Semester                   | Credits | Spring Semester              | Credits |
|---------------------------------|---------|------------------------------|---------|
| PHYS 211 or PHYS 221 w/lab      | 4       | EXER 300 Exercise Physiology | 4       |
| BIOL 200 Nutrition              | 3       | EXER 490 Exercise Assessment | 3       |
| BIOL 100 Medical Terminology    | 1       | Exercise Physiology Elective | 2       |
| EXER 350 Care and Prev Injuries | 2       | PHIL 206 Ethics              | 4       |
| General Elective                | 4       | THEO 205 Sacred Doctrine     | 4       |
| Total                           | 14      | Total                        | 17      |

### Senior Year

| Fall Semester                  | Credits | Spring Semester              | Credits |
|--------------------------------|---------|------------------------------|---------|
| PSYC 370 Sport Psychology      | 4       | Exercise Physiology Elective | 2       |
| EXER 491 Exercise Prescription | 3       | General Elective             | 4       |
| Exercise Physiology Elective   | 2       | General Elective             | 4       |
| THEO 400 or THEO 390           | 4       | General Elective             | 4       |
| General Elective               | 4       | General Elective             | 1       |
| Total                          | 17      | Total                        | 15      |

# Finance

The Finance Major is offered within the Department of Business.

Program Director: Dr. Frank Shepard, Associate Professor of Finance

Finance is built on the idea that time and uncertainty have value. From this insight, derived from economics and expressed in a language that borrows from economics and accounting, a major in finance teaches students about corporate finance, investments, banking, and quantitative methods. Students learn how corporations and organizations acquire funds and about how they use them, both for the short term and for the long term. Students also learn how the financial system (financial markets and financial institutions) works and how it serves society by making funds available to those who can use them to create value. A Finance major prepares its students to participate in this process of value-creation by giving them specific skills related to corporate financial management and investment analysis, including advanced quantitative skills.

Our students learn the basics in a way that is practical and oriented towards what is necessary to actually run a business. Our students develop and sharpen their skills in communication and analysis, in working with others and working with numbers, in seeing the big picture and in drilling down to details. Our students learn how to think – how to think better, more broadly, more flexibly – which is the best preparation for the changing world of business.

Our majors emphasize analytical thinking and tools: the intellectual equipment and critical skills needed to understand and excel in business and in most other human endeavors. Ave Maria students have the unique fortune of building on a foundation of a liberal education, an education on the basic realities about God and the world, man and his relationship with God and nature. Through our liberal arts curriculum, students learn that reality is coherent and intelligible and grow in the habit – in the essential business skill – of looking for patterns and seeing the sense in the apparent contradictions of the world that surrounds them.

Business can be a tremendous force for good if pursued with rectitude of intention and a clear-minded awareness of the truth of the human person. Carried out with an incorrect understanding of its purpose, business can be destructive and corrosive to the community. Indeed, because it involves human action, business cannot be dissociated from morality and cannot be divorced from virtue. Yet habits of moral action must be learned existentially: virtue cannot be acquired through study alone. Ave Maria Business students are blessed to live and study in a context where moral virtue is valued and instilled, where the practices and expectations of the University community encourage students to choose what is right rather than what is convenient.

The Business program at Ave Maria aims to inspire students to become business leaders led by Christian ideals and governed by Christian ideas. Relying on the Catholic faith lived intensely on campus and on the general intellectual formation of the Core Curriculum, what animates the program is the Catholic view of the human person, his nature, and his ultimate destiny. The distinctive character of the program is its belief in the dignity of the human person, in the reality and importance of the common good, in subsidiarity and solidarity, in ownership as stewardship, and in responsibility for the environment. Because students learn to value human beings for what they are, not for what utility they bring, they are able to serve the Church and their society loyally and generously.

## Student Learning Outcomes for the Major in Finance

Goal 1: Students will have a robust understanding of the role of finance and how it operates in a range of organizations. They will develop a strong perspective of the institutions in the markets in which finance operates. Among other things the student will graduate with a strong understanding of the time value of money, financial decision-making, and the key

principles in valuing numerous investments as well as how corporations fund themselves both in the public and private markets. Finally they will have the knowledge of how value is created and destroyed.

Outcome 1: Students will become potential financial professionals who have been trained to see the world with a sound view of the human person and who have been given a strong ethical grounding for their actions.

Outcome 2: Students will acquire the ability and the habit of analytical thinking through a rigorous and demanding course of study in business and in finance that will sharpen their intellectual skills.

Outcome 3: Students will acquire mastery of the specific knowledge and skills of finance, especially knowledge of financial institutions and markets, and use of quantitative methods.

Outcome 4: Students will acquire job-market training, particularly through internships and professional formation that emphasize financial skills, including corporate finance, investments, and banking.

## Required Courses for the Major

ACCT 201 Financial Accounting  
 ACCT 202 Managerial Accounting  
 BUSN 303 Management and Ethics  
 BUSN 340 Business Law I  
 BUSN 368 Quantitative Business Analysis  
 BUSN 490 Strategic Management/Business Capstone  
 ECON 201 Principles of Macroeconomics  
 ECON 202 Principles of Microeconomics  
 FINC 201 Fundamentals of Finance  
 STAT 230 Applied Statistics

## Finance Courses (28 credits)

FINC 310 Advanced Corporate Finance  
 FINC 320 Banking, Financial Institutions, and Society  
 FINC 350 Security Analysis  
 FINC 351 Portfolio Management  
 1 Elective to be chosen from  
     BUSN 329 Business and Economic Forecasting  
     FINC 403 Quantitative Methods in Finance  
 2 Electives to be chosen from  
     ACCT 301 Intermediate Accounting I  
     BUSN 201 Principled Entrepreneurship  
     BUSN 400 International Business  
     ECON 301 Intermediate Macroeconomics  
     ECON 302 Intermediate Microeconomics  
     FINC 325 Private Equity and Investment Banking  
     FINC 355 Fixed Income Securities

Enrollment in upper-division finance courses requires the declaration of the Finance Major, the completion of 64 hours of college work with a minimum 2.5 GPA, and the successful completion of any course-specific prerequisites. All upper-division Finance courses have specific prerequisites.

Faculty advisors assist students while they are completing their Core education and Finance courses. Students are assigned to the Business faculty for advising upon declaration of the major.

## Course Descriptions

### FINC 201 FUNDAMENTALS OF FINANCE (PREVIOUSLY OFFERED AS BUSN 305)

Sources, uses, cost, and control of funds in business enterprises; development of financial statements, financial ratio analysis; working capital management; capital budgeting analysis; capital structure and the cost of capital; bonds and stocks; financial institutions and markets. Investment strategies in stocks, bonds, and derivatives. Prerequisites: ECON 201 or ECON 202, ACCT 201. (4 credits)

### FINC 310 ADVANCED CORPORATE FINANCE

This course focuses on financial decision making in the modern corporation. The basic issues include: time value of money, capital budgeting/corporate investment, capital structure, corporate sources of funding, dividend policy and corporate contingent claims, international finance, and financial risk management. Course concepts are integrated into the standard theories of risk and return, valuation of assets and market structure. Prerequisites: ECON 201, ECON 202, ACCT 201, ACCT 202, FINC 201. (4 credits)

### FINC 320 BANKING, FINANCIAL INSTITUTIONS, AND SOCIETY

An overview of the financial system (banking, investments, and international finance) and its purpose in society. The roles of money and interest rates, financial markets and financial intermediaries, securities (bonds, stocks, and derivatives), and central banks are discussed in the context of global economy. Using an integrated global perspective, the course focuses on the role of a well-functioning financial system in matching resources and needs, acquiring information, reducing risk, and encouraging innovation and entrepreneurship, thus connecting moral flaws and ethical failures with corporate scandals and financial crises. Prerequisites: ECON 201, ECON 202, ACCT 201, FINC 201. (4 credits)

### FINC 325 PRIVATE EQUITY AND INVESTMENT BANKING

The objective of this course is to offer students a strong working knowledge of the Private Equity and Investment banking industry. We will examine how ethical funds create value for companies, investors and society globally. We will examine the industry from a number of viewpoints including the structure of the industry, the investors, and the techniques and models used to analyze investments. In addition we will discuss the method used by investors to exit investments. Prerequisites: FINC 201. (4 credits)

### FINC 350 SECURITY ANALYSIS

The purpose of this course is to provide students with a real world view of the role and activities of a security analyst. In the course, we will build a construct of how capital markets function, teach the tools and the thought process involved with security analysis, and expose the mental limitations participants bring to the activity. The course will focus on three aspects of securities analysis: (1) understanding the process of analyzing companies; (2) understanding the valuation process; and (3) understanding the challenges of achieving success in a highly competitive capital market. Prerequisites: FINC 320, STAT 230. (4 credits)

**FINC 351 PORTFOLIO MANAGEMENT**

Portfolio management requires a broad array of quantitative and qualitative skills, involving an analysis of both the investment instruments available in the capital market and the objectives and constraints of the ultimate investor. This course covers conventional and state-of-the-art tools currently employed in the asset management industry, examining the process of creating, maintaining, and evaluating profitable investment portfolios. Following the general approach of the Chartered Financial Analyst (CFA) candidate training program, this course is appropriate for anyone contemplating a career as an investment professional, portfolio manager, or security analyst. Prerequisites: FINC 320, STAT 230. (4 credits)

**FINC 355 FIXED INCOME SECURITIES**

The course is designed to provide an understanding of the fixed income securities that are actively used for management of investment portfolios. Derivative instruments will also be covered along with their application and effective deployment to eliminate/mitigate risk. Additionally, students will also learn the key elements of international fixed income instruments and their role in global portfolio management. Prerequisites: FINC 201. (4 credits)

**FINC 403 QUANTITATIVE METHODS IN FINANCE**

The aim of this course is to introduce students to the quantitative techniques used in the key areas of finance. Building on a strong foundation of econometric models and techniques (which presume a solid knowledge of introductory statistics demonstrated by a high grade in STAT 230) this course emphasizes understanding and properly applying methods, especially regression analysis and finance-specific methods such as the Markowitz portfolio model, share price valuation models, capital market theory and derivative pricing models. Cross-listed with ECON 403. Prerequisites: ECON 201, ECON 202, FINC 201, STAT 230. (4 credits)

**FINC 415 SPECIAL TOPICS**

The topics for this seminar may vary. They are determined by faculty and student interests. (4 credits)

## Typical Plan—Finance (B.A.)

### Freshman Year

| Fall Semester                      | Credit | Spring Semester                     | Credits |
|------------------------------------|--------|-------------------------------------|---------|
| MATH 110 College Algebra           | 4      | THEO 105 Sacred Scripture           | 4       |
| Elementary Foreign Language        | 4      | Intermediate Foreign Language       | 4       |
| CORE 101 Western Civ and Culture I | 4      | CORE 102 Western Civ and Culture II | 4       |
| COMP 101 Composition               | 4      | ACCT 201 Financial Accounting       | 4       |
| Total                              | 16     | Total                               | 16      |

### Sophomore Year

| Fall Semester                    | Credits | Spring Semester                  | Credits |
|----------------------------------|---------|----------------------------------|---------|
| THEO 205 Sacred Doctrine         | 4       | FINC 201 Fundamentals of Finance | 4       |
| PHIL 205 Nature and Person       | 4       | ACCT 202 Managerial Accounting   | 4       |
| Natural Science with Lab I       | 4       | Natural Science with Lab II      | 4       |
| ECON 201 Principles of Macroecon | 4       | ECON 202 Principles of Microecon | 4       |
| Total                            | 16      | Total                            | 16      |

### Junior Year

| Fall Semester                       | Credits | Spring Semester                    | Credits |
|-------------------------------------|---------|------------------------------------|---------|
| FINC 310 Advanced Corporate Finance | 4       | FINC 320 Banking and Society       | 4       |
| BUSN 340 Business Law I             | 4       | POLT 203 American Civilization     | 4       |
| PHIL 206 Ethics                     | 4       | Finance Elective*                  | 4       |
| STAT 230 Applied Statistics         | 4       | BUSN 368 Quantitative Bus Analysis | 4       |
| Total                               | 16      | Total                              | 16      |

### Senior Year

| Fall Semester                  | Credits | Spring Semester               | Credits |
|--------------------------------|---------|-------------------------------|---------|
| FINC 350 Security Analysis     | 4       | THEO 315 or THEO 400          | 4       |
| BUSN 303 Management and Ethics | 4       | FINC 351 Portfolio Management | 4       |
| FINC 403 or BUSN 329           | 4       | General Elective              | 4       |
| Finance Elective*              | 4       | BUSN 490 Strategic Management | 4       |
| Total                          | 16      | Total                         | 16      |

\*ACCT 301, BUSN 201, BUSN 400, ECON 301 or ECON 302.

# Global Affairs & International Business

The GAIB Major is offered within the Department of Economics.

Program Director: Dr. Gabriel Martinez, Associate Professor of Economics and Director of Online Education

The last four decades have seen an enormous increase in the amount and the intensity of interaction across the globe. Business is global. Everyone is aware of the enormous impact that the rest of the world has on our daily lives. Today, very few firms and corporations can afford to ignore what happens beyond the country's borders. What does this process of globalization mean? How can we understand it? How can we manage it? Is it a force for good or for ill? To the basic toolset of business, the major in Global Affairs & International Business adds the principles, concepts, and ideas of a globalized world, opening up the world for students.

## Student Learning Outcomes for the Major in Global Affairs & International Business

Goal 1: Students will have a strong intellectual foundation with which to think about business, economic, and political interactions that span the planet.

Outcome 1: Students will be familiar with the institutional details of other countries and with the relations between them. They will demonstrate knowledge of relations between nations, including major theoretical perspectives, terminology, and topics in globalization.

Outcome 2: Students will be familiar with the theories and tools of international economics, applying concepts appropriately, using basic principles, theories, and models to analyze and interpret the global economy and to articulate sound policy arguments for and against concrete proposals for global action.

Outcome 3: Students will be able to understand fundamental concepts and principles of management, including the basic roles, skills, and functions of international management.

Outcome 4: Each student will be able to demonstrate knowledge and understanding of core accounting fundamentals, and to evaluate the financial position of organizations using standard analytic tools of applied financial analysis.

Outcome 5: Students will be able to evidence commitment to clear, methodical, and systematic thinking that gives primacy to intellectual honesty, inquisitiveness, and creativity, expressing themselves effectively through well-structured arguments, the appropriate use of theory and evidence, conventional documentation, and strong communication skills.

## Typical Order of Required Courses for the Major

ECON 201 Principles of Macroeconomics

ECON 202 Principles of Microeconomics

ACCT 201 Financial Accounting

ACCT 202 Managerial Accounting

POLT 205 Introduction to International Relations

STAT 230 Applied Statistics

BUSN 303 Management and Ethics



ECON 301 Intermediate Macroeconomics

THEO 315 Catholic Social Teaching

FINC 201 Fundamentals of Finance

BUSN 400 International Business

**One Elective out of**

ECON 316 Markets, State, and Institutions

ECON 420 Economics and Ethics of Development

ECON 421 Globalization and International Macroeconomics

Global Affairs & International Business course descriptions can be found under their respective majors/disciplines.

## Typical Plan—Global Affairs & International Business (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110 or MATH 150               | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | ECON 201 Principles of Macroecon    | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| Elementary Foreign Language        | 4              | Intermediate Foreign Language       | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|----------------------------------|----------------|--------------------------------|----------------|
| PHIL 205 Nature and Person       | 4              | PHIL 206 Ethics                | 4              |
| THEO 205 Sacred Doctrine         | 4              | POLT 203 American Civilization | 4              |
| Science I with Lab               | 4              | Science II with Lab            | 4              |
| ECON 202 Principles of Microecon | 4              | STAT 230 Applied Statistics    | 4              |
| Total                            | 16             | Total                          | 16             |

### Junior Year

| <u>Fall Semester</u>              | <u>Credits</u> | <u>Spring Semester</u>                   | <u>Credits</u> |
|-----------------------------------|----------------|--|----------------|
| ECON 301 Intermediate Macroecon   | 4              | POLT 205 Introduction to Int'l Relations | 4              |
| ACCT 201 Financial Accounting     | 4              | ACCT 202 Managerial Accounting           | 4              |
| THEO 315 Catholic Social Teaching | 4              | General Elective                         | 4              |
| General Elective                  | 4              | General Elective                         | 4              |
| Total                             | 16             | Total                                    | 16             |

### Senior Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>          | <u>Credits</u> |
|----------------------------------|----------------|---------------------------------|----------------|
| BUSN 400 International Business  | 4              | BUSN 303 Management and Ethics  | 4              |
| FINC 201 Fundamentals of Finance | 4              | ECON 316, ECON 420, or ECON 421 | 4              |
| General Elective                 | 4              | General Elective                | 4              |
| General Elective                 | 4              | General Elective                | 4              |
| Total                            | 16             | Total                           | 16             |

# Greek

Chair: Dr. Bradley Ritter, Associate Professor of Classics & Early Christian Literature

The major in Greek is a rigorous academic program designed to develop proficiency in the Greek language, to promote literary study across a broad range of authors, genres, and subjects, and to instill an awareness of the Classical tradition and its profound influence. Acknowledging the deep presence and transformation of classical culture during the Christian era, the Department is committed to integrating the study of classical Greek literature and the vast corpus of Greek writings from the biblical, patristic, and Byzantine eras.

## Student Learning Goals and Outcomes for the Major in Greek

Goal 1: The Greek Major enables students to acquire a reading knowledge of classical, New Testament, and patristic Greek as well as of Latin. The program emphasizes reading and writing in Greek in order to enable effective study, reflection, and evaluation of texts.

Outcome 1: Greek majors will demonstrate knowledge of classical Greek and classical Latin prose.

Outcome 2: Greek majors will demonstrate familiarity with the literature and literary culture of the Greco-Roman world and the early Christian centuries, the ability to distinguish among literary genres and styles as well as to paraphrase, translate, and comment upon texts in Greek and Latin, and a basic proficiency in writing Greek prose.

Outcome 3: Students exiting the program will demonstrate awareness of the classical and early Christian traditions and their influences, especially on Christian culture and modern society.

## Required Courses for the Major

GREK 103 Elementary Greek  
 GREK 104 Intermediate Greek  
 GREK 203 Greek Readings: Prose  
 GREK 204 Greek Readings: Poetry  
 GREK 304 Greek Church Fathers  
 GREK 310 Greek Prose Composition  
 Greek Elective  
 LATN 101 Elementary Latin  
 LATN 102 Intermediate Latin  
 LATN 203 Latin Readings  
 LATN 204 Golden Age Poetry

## Course Descriptions

### GREK 103 ELEMENTARY GREEK

Students learn the Greek alphabet, phonetic system, and basic rules for accentuation, followed by regular inflections of nouns, adjectives, and pronouns, as well as certain tenses of verbs. (4 credits)

**GREK 104 INTERMEDIATE GREEK**

In this course students continue their study of ancient Greek. Topics include: the aorist and imperfect tenses, the passive voice, comparatives and superlatives of adjectives and adverbs, and the subjunctive. Students are gradually introduced to passages from classical and biblical Greek. Prerequisite: GREK 103. (4 credits)

**GREK 203 GREEK READINGS: PROSE**

This course is designed to foster the ability to read Greek prose. Students enrolling in the course should already have a working knowledge of Greek morphology and syntax as well as some experience reading modest passages of Greek literature. In this course students typically encounter passages from Plato and the New Testament, although other passages may be chosen from the Greek orators, the Septuagint, or from a patristic source. Prerequisites: GREK 103, GREK 104. (4 credits)

**GREK 204 GREEK READINGS: POETRY**

This course, the sequel to GREK 203, introduces students to Greek poetry, with a particular emphasis on Homer. Additional texts may also be introduced: these will vary from year to year, but they might include selections from the lyric poets, from drama, or from the poems of St. Gregory of Nazianzus. Careful attention will be given to metrical form, syntax, and poetic diction. Prerequisite: GREK 203. (4 credits)

**GREK 304 GREEK CHURCH FATHERS**

This course offers an introduction to the vast and profound Greek literature of the patristic era, with particular attention to the classical underpinnings of much of this literature. The theme and readings may vary from year to year. Early readings might feature selections from the Acts of the Martyrs or the Didache; later readings might be taken from the Alexandrians, Cappadocians, desert Fathers, or the hymnody of the early Byzantine period. Translations, comprehension, and rhetorical analysis are the main components of class work. Prerequisite: GREK 203. (4 credits)

**GREK 310 GREEK PROSE COMPOSITION**

This course is devoted to the analysis of passages from ancient Greek prose authors as well as to composition exercises. It is designed to improve the command of Greek grammar and syntax and to promote knowledge and appreciation of Greek prose style. It is intended for students who have completed the introductory sequence and have begun to read extensively in Greek prose. Prerequisite: GREK 203. (4 credits)

**GREK 403 GREEK POETRY**

This course begins with an introduction to Homeric dialect, meter, vocabulary, and style. Students will translate passages from the Iliad and the Odyssey. Epigrams from the Greek Anthology and poems from the liturgy of the Greek Orthodox Church will follow. Prerequisite: GREK 203. (4 credits)

**GREK 415 GREEK SPECIAL TOPICS**

This course is designed for advanced students in either tutorial or a group of no more than four students. The first purpose of the course is to increase ease and fluency in reading. To this end, students may request a special reading course and, with permission from the instructor and the Classics program director, concentrate on the works of one author. The texts to be studied, the format of instruction, and the course goals will vary accordingly. The format of instruction is the seminar. Prerequisite: GREK 203. (4 credits)

## Typical Plan—Greek (B.A.)

### Freshman Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| MATH 110, 120, 150, or 151         | 4       | THEO 105 Sacred Scripture           | 4       |
| COMP 101 Composition               | 4       | General Elective                    | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| LATN 101 Elementary Latin          | 4       | LATN 102 Intermediate Latin         | 4       |
| Total                              | 16      | Total                               | 16      |

### Sophomore Year

| Fall Semester              | Credits | Spring Semester                | Credits |
|----------------------------|---------|--------------------------------|---------|
| LATN 203 Latin Readings    | 4       | LATN 204 Golden Age Poetry     | 4       |
| GREK 103 Elementary Greek  | 4       | GREK 104 Intermediate Greek    | 4       |
| PHIL 205 Nature and Person | 4       | PHIL 206 Ethics                | 4       |
| THEO 205 Sacred Doctrine   | 4       | POLT 203 American Civilization | 4       |
| Total                      | 16      | Total                          | 16      |

### Junior Year

| Fall Semester                  | Credits | Spring Semester                 | Credits |
|--------------------------------|---------|---------------------------------|---------|
| GREK 203 Greek Readings: Prose | 4       | GREK 204 Greek Readings: Poetry | 4       |
| Science I with Lab             | 4       | Science II with Lab             | 4       |
| General Elective               | 4       | General Elective                | 4       |
| General Elective               | 4       | General Elective                | 4       |
| Total                          | 16      | Total                           | 16      |

### Senior Year

| Fall Semester                    | Credits | Spring Semester               | Credits |
|----------------------------------|---------|-------------------------------|---------|
| GREK 310 Greek Prose Composition | 4       | GREK 304 Greek Church Fathers | 4       |
| Greek Elective                   | 4       | General Elective              | 4       |
| General Elective                 | 4       | General Elective              | 4       |
| THEO 400 Living in Christ        | 4       | General Elective              | 4       |
| Total                            | 16      | Total                         | 16      |

# Health Science

Chair: Dr. Nicholas Curtis, Associate Professor of Biology

The Health Science (B.A.) degree promotes student's interest in an interdisciplinary understanding of medicine and health care. The program will enable students to appreciate the strengths and limits of the natural sciences, social sciences and humanities as they seek to better understand the myriad of complexities associated with disease, illness, health, suffering, and healing. The Health Sciences degree serves as a pre-professional preparation for the graduate degree required for working in a particular field (such as physical therapy, occupational therapy, podiatry, physician assistant, and others). Baccalaureate graduates may seek employment as a group home staff member, clinical research assistant, quality assurance staff, case manager, or activity director. The present and future employment outlook in most health science fields promises a growth rate much faster than the national average.

## Student Learning Goals and Outcomes for the B.A. Health Science Major

Goal 1: Enable students to appreciate the strengths and limits of the natural sciences, social sciences and humanities as they seek to better understand the myriad of complexities associated with disease, illness, suffering, and healing.

Outcome 1: Graduates will understand fundamental biological, chemical, and physical properties underlying all life systems.

Outcome 2: Graduates will integrate specialized knowledge into a larger framework using analytical and conceptual skills to function professionally in health science fields.

Outcome 3: Graduates will demonstrate general competency in diverse intellectual areas, including writing, literacy, quantitative reasoning, critical thinking, and communication.

Outcome 4: Graduates will apply knowledge and skills to solving complex health science issues and problems.

Outcome 5: Graduates will demonstrate a community-based perspective in the health sciences and specifically approach a national and global awareness.

## Required Courses for the Major

BIOL 100 Medical Terminology

BIOL 200 Nutrition

BIOL 211 Biology I Cellular and Molecular Biology

BIOL 212 Biology II Organismal and Population Biology

BIOL 250 Health and Wellness

BIOL 303 Genetics

BIOL 304 Anatomy and Physiology I

BIOL 309 Anatomy and Physiology II

BIOL 401 Microbiology

BIOL 413 Critical Analysis II or BIOL 497 Directed Research

CHEM 125 General Chemistry I

CHEM 126 General Chemistry II

PSYC 350 Health Psychology

## Health Science Minor

BIOL 100 Medical Terminology

BIOL 203 Introduction to Microbiology or 401 Microbiology

BIOL 211 Biology I Cellular and Molecular Biology

BIOL 250 Health and Wellness

BIOL 304 Anatomy and Physiology I

BIOL 309 Anatomy and Physiology II

PSYC 350 Health Psychology

Course descriptions can be found under their major.

## Typical Plan—Health Science (B.A.)

### Freshman Year

| Fall Semester              | Credits | Spring Semester              | Credits |
|----------------------------|---------|------------------------------|---------|
| BIOL 211 Biology I         | 4       | BIOL 212 Biology II          | 4       |
| MATH 150 or MATH 151       | 4       | THEO 105 Sacred Scripture    | 4       |
| COMP 101 Composition       | 4       | General Elective             | 4       |
| LATN 101 Elementary Latin* | 4       | LATN 102 Intermediate Latin* | 4       |
| Total                      | 16      | Total                        | 16      |

### Sophomore Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| BIOL 303 Genetics                  | 4       | BIOL 200 Nutrition                  | 3       |
| CHEM 125 General Chemistry I       | 4       | CHEM 126 General Chemistry II       | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| THEO 205 Sacred Doctrine           | 4       | POLT 203 American Civilization      | 4       |
| Total                              | 16      | Total                               | 15      |

### Junior Year

| Fall Semester                     | Credits | Spring Semester                    | Credits |
|-----------------------------------|---------|------------------------------------|---------|
| BIOL 304 Anatomy and Physiology I | 4       | BIOL 309 Anatomy and Physiology II | 4       |
| BIOL 250 Health and Wellness      | 3       | BIOL 401 Microbiology              | 4       |
| BIOL 100 Medical Terminology      | 1       | PHIL 206 Ethics                    | 4       |
| PHIL 205 Nature and Person        | 4       | General Elective                   | 4       |
| General Elective                  | 4       |                                    |         |
| Total                             | 16      | Total                              | 16      |

### Senior Year

| Fall Semester              | Credits | Spring Semester      | Credits |
|----------------------------|---------|----------------------|---------|
| PSYC 350 Health Psychology | 4       | BIOL 413 or BIOL 497 | 1       |
| THEO 390 or THEO 400       | 4       | General Elective     | 4       |
| General Elective           | 4       | General Elective     | 4       |
| General Elective           | 4       | General Elective     | 4       |
|                            |         | General Elective     | 4       |
| Total                      | 16      | Total                | 17      |

\*Latin is recommended, but not required.



# Healthcare Management

Chair: Frank Shepard, Associate Professor of Finance

The Healthcare Management (B.A.) degree is a program of study designed for individuals who seek to plan, direct, coordinate, and/or facilitate the organization and support of medical/health facilities or services.

Graduates of this program might assist in the management of a facility, specialize in the administration of a clinical area/department or supervise a medical practice for a group of physicians/healthcare professionals. Medical and health services managers must be able to adapt to changes in laws, regulations, and technology as the healthcare industry advances.

## Student Learning Goals and Outcomes for the Major in Healthcare Management

**Goal:** It is our goal to provide students with a theoretical and practical understanding of human health and wellness as it relates to business administration. This degree takes an interdisciplinary and integrated learning approach. Study includes health sciences as well as business administration, regulation, financing, strategic planning and policies. Students are exposed to healthcare business administration topics including finance, budgeting, billing, human resources management, facilities management and marketing as well as quality measurement and improvement.

**Outcome 1:** Graduates will apply concepts from foundational sciences; applied sciences and other interdisciplinary sciences to evaluate healthcare industry issues.

**Outcome 2:** Graduates will develop policies and procedures to address healthcare challenges using scientific as well as business concepts and knowledge.

**Outcome 3:** Graduates will apply the principles of organizational management and strategic planning to facilitate successful administration of healthcare organizations.

**Outcome 4:** Graduates will demonstrate an understanding of the ethical obligations and responsibilities of business and healthcare organizations.

**Outcome 5:** Graduates will analyze financial statements in health services organizations and apply standard accounting principles.

## Required Courses for the Major

ACCT 201 Financial Accounting  
 ACCT 202 Managerial Accounting  
 BIOL 100 Medical Terminology  
 BIOL 250 Health and Wellness  
 BUSN 215 Spreadsheet Analysis  
 BUSN 303 Management and Ethics  
 BUSN 304 Marketing  
 BUSN 340 Business Law I  
 BUSN 350 Health Care Administration  
 BUSN 351 Seminar in Healthcare Management

BUSN 490 Strategic Management  
ECON 201 Principles of Macroeconomics  
ECON 202 Principles of Microeconomics  
FINC 201 Fundamentals of Finance  
STAT 230 Applied Statistics  
THEO 390 Catholic Bioethics  
Science 1\*  
Science 2\*

\*Students must fulfill the two core science requirements.

Course descriptions can be found under their major.

## Typical Plan—Healthcare Management (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 150 Functions                 | 4              | General Elective                    | 4              |
| COMP 101 Composition               | 4              | THEO 105 Sacred Scripture           | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| Elementary Foreign Language        | 4              | Intermediate Foreign Language       | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|----------------------------------|----------------|----------------------------------|----------------|
| PHIL 205 Nature and Person       | 4              | STAT 230 Applied Statistics      | 4              |
| THEO 205 Sacred Doctrine         | 4              | PHIL 206 Ethics                  | 4              |
| General Elective                 | 4              | ECON 202 Principles of Microecon | 4              |
| BIOL 100 Medical Terminology     | 1              | BIOL 250 Health and Wellness     | 3              |
| ECON 201 Principles of Macroecon | 4              | BUSN 215 Spreadsheet Analysis    | 2              |
| Total                            | 17             | Total                            | 17             |

### Junior Year

| <u>Fall Semester</u>          | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|-------------------------------|----------------|-------------------------------------|----------------|
| ACCT 201 Financial Accounting | 4              | ACCT 202 Managerial Accounting      | 4              |
| BUSN 304 Marketing            | 4              | BUSN 350 Health Care Administration | 4              |
| BUSN 340 Business Law I       | 4              | Science 2 (core requirement)        | 4              |
| Science 1 (core requirement)  | 4              | FINC 201 Fundamentals of Finance    | 4              |
| Total                         | 16             | Total                               | 16             |

### Senior Year

| <u>Fall Semester</u>           | <u>Credits</u> | <u>Spring Semester</u>        | <u>Credits</u> |
|--------------------------------|----------------|-------------------------------|----------------|
| BUSN 303 Management and Ethics | 4              | THEO 390 or THEO 400          | 4              |
| General Elective               | 4              | General Elective              | 4              |
| POLT 203 American Civilization | 4              | BUSN 351 Seminar in HC Admin  | 4              |
| Internship                     | 4              | BUSN 490 Strategic Management | 4              |
| Total                          | 16             | Total                         | 16             |

# History

Chair: Dr. Paul Baxa, Associate Professor History

The study of history exists because of that special environment in which man lives: time. History is a way of understanding the ways men and their societies change over time. Furthermore, history properly understood should focus not just on the events and changes, but also on the reasons for those changes. Thus, history stresses more than just knowledge of places or facts; rather, it stresses analysis and insight. Most importantly, it teaches one to think historically.

History serves to instill in its practitioners a number of qualities. The ability to analyze and understand is paramount to an understanding of history. The ability to express oneself well, be it in speech or in prose, is crucial. The ability to adopt a critical sense of one's material is important, as is the ability to read accurately and well. Students should be able to cultivate a historical sense that will free them from the presuppositions of their own era, and teach them empathy for other peoples and places. History has long been considered the ally of the statesman and lawyer, and serves these professions well. Finally, as Cicero noted, "To be ignorant of what happened before you were born is to live the life of a child forever."

The History Major begins with a Core program that is required for all undergraduates and has several aims. First, it is meant to provide a framework and background for the University's curriculum such that students can develop an understanding of the historical context in which the other subjects they are studying arose. Second, it is meant to give all students a sense of era and period, a sense of history. Third, it is meant to give the students a common culture and context for discussing and interactions based on their knowledge of history. Finally, it is meant to assist the other departments at the University in the inculcation of analytical skills for critical thinking and reading, as well as good prose style and writing habits, in Ave Maria students.

## Student Learning Goals and Outcomes for the Major in History

Goal 1: The Major in History seeks to instill in students the ability to think historically. This will be accomplished through a solid grounding in the main events of American and European history, with special attention to the role of the Catholic Church in history. Students will also learn to become practitioners of the discipline through a solid education in the methods and history of the profession.

Outcome 1: Students will demonstrate a familiarity with the methods and history of the profession.

Outcome 2: Students will demonstrate basic knowledge of the primary events of U.S. History.

Outcome 3: Students will demonstrate a knowledge of the history of Europe from the Middle Ages to the Present.

Outcome 4: Students, upon completion of the History Major, will demonstrate the ability to complete a major project utilizing the skills, methods, and knowledge learned in the course of the major.

## Required Courses for the Major

HIST 100 Doing History

HIST 201 The Formation of Europe, c. 800-1648

HIST 202 Imagining Modern Europe, 1648-Present

HIST 208 History of the United States from the Colonial Era to Reconstruction or HIST 209 History of the United States from Reconstruction to the Present

HIST 490/495 Senior Seminar/Honors Thesis

Nine Major Courses (five required, four electives)

### Minor in History

To earn a minor in History, HIST 100 plus four electives are required (20 credits).

### Minor in Medieval Studies

To earn a minor in Medieval Studies, students must complete 24 credit hours as follows:

#### Required Courses for the Minor (16 credits)

LATN 101 Elementary Latin

HIST 201 The Formation of Europe c. 800-1648

PHIL 305 Medieval Philosophy

One course in Medieval Literature

#### Electives (8 credits)

MUSC 101 Gregorian Chant (1 credit)

MUSC 305 Heritage of Sacred Music

MUSC 312 Survey of Western Music History I (3 credits)

HIST 362 The Crusades

HIST 375 The Viking World

HIST 324 Anglo-Saxon England

PHIL 403 Political Philosophy

PHIL 406 St. Augustine

PHIL 407 St. Thomas Aquinas

POLT 302 Catholic Political Thought

THEO 306 Catholic Spirituality

THEO 412 Mary, Mother of God

THEO 414 St. Thomas Aquinas

Other courses may be considered with the approval of the director, Dr. Mary Blanchard.

### Course Descriptions

#### HIST 100 DOING HISTORY

This is the gateway course for History majors and is intended to introduce students to the major and to the discipline of History. The course will instruct students in basic historical methods and skills as well as provide a survey of historiography. (4 credits)

#### HIST 201 THE FORMATION OF EUROPE, c. 800-1648

This class covers a variety of topics from the creation of the Holy Roman Empire to the birth of the Nation-State at the close of the Thirty Years' War. It examines themes and markers of European civilization from the Middle Ages, the Renaissance,

and the Protestant Reformation. Students are asked to grapple with the overall question: What is Europe? Prerequisite: HIST 100. (4 credits)

#### HIST 202 IMAGINING MODERN EUROPE, 1648-PRESENT

This course continues from HIST 201. Topics will include Europe's relationship to the wider world, the role of revolutions in transforming European politics, society, and culture, the rise of the modern nation-state and nationalism, the impact of the World Wars, and the development of European integration. Students will be asked to think about how Europe has been imagined and defined by Europeans and non-Europeans, and attempt to answer the question: What is Europe? Prerequisites: HIST 100, HIST 201. (4 credits)

#### HIST 208 HISTORY OF THE UNITED STATES FROM THE COLONIAL ERA TO THE CIVIL WAR

This course is an intermediate survey of American history from the colonial era to the end of Reconstruction. The major political, social, cultural, religious, economic, and legal developments of the United States will be examined. Themes covered include European and Native American encounters, colonial settlements, religious societies, American exceptionalism, revolution, the U.S. Constitution, republicanism, federalism, church and state, borderlands and the frontier, slavery, Civil War. Prerequisites: POLT 203 should either be taken concurrently or before HIST 208 or HIST 209. (4 credits)

#### HIST 209 HISTORY OF THE UNITED STATES FROM RECONSTRUCTION TO THE PRESENT

This course is an intermediate survey of American history from the end of Reconstruction to the present. The major political, social, cultural, religious, economic, and legal developments of the United States will be examined. Themes covered include business and labor, the New South and the New West, urbanism, the Gilded Age, empire, Progressive Era, World War I, the Jazz Age, the Roaring Twenties, Great Depression, New Deal, World War II, Cold War, Great Society, Liberalism, Conservatism, and terrorism. Prerequisites: POLT 203 should either be taken concurrently or before HIST 208 or HIST 209. (4 credits)

#### HIST 290 HISTORY OF IDEAS

This class will introduce students to landmark texts in Western thought which will illuminate the interplay between transcendence and contingency in the history of ideas. The course begins with archaic Mesopotamia, Classical Athens and Imperial Rome. The middle section will examine the secularization of the state and the breakup of the medieval intellectual synthesis into strands of mysticism and nominalism. The concluding section will examine the degradation of art and the connections between ethics and religious belief. The texts which will inform the course discussions will be Leo Strauss's *The City and Man* and *Natural Right and History*. (4 credits)

#### HIST 322 ANCIENT GREECE

Students will explore select topics regarding political, military, cultural and social trends in the history of Classical, Hellenistic or Roman era Greek civilization. By analyzing primary texts and leading class discussion, they will learn how to evaluate ancient evidence for the history of Greece, assess the relative reliability of ancient historians and use documentary evidence. (4 credits)

#### HIST 324 ANGLO-SAXON ENGLAND

This class will survey the history and culture of England during the Anglo-Saxon period covering roughly from the withdrawal of the Roman legions in the early fifth century through the Norman Conquest in 1066. The class will use a multidisciplinary approach to examine Anglo-Saxon society by reading and discussing historical primary sources. Students will also move beyond Beowulf and study examples of the additional surviving literary sources. Special emphasis will be placed on the vibrant vernacular culture, its role in producing the unique Anglo-Saxon society, and the continual influence on modern English writers such as J.R.R. Tolkien. Students may also be introduced to the basics of Old English. Prerequisite: It is preferred HIST 201 to be taken before this class. (4 credits)

**HIST 335 MODERN ITALY**

This course will examine selected topics in the history of modern Italy from 1797 to 1992. Special attention will be paid to cultural and political developments. Themes will include the role of violence in politics, the attempt to forge a unified state, the division between North and South, the rise of fascism, and the impact of war on Italian society. Special attention will be placed on the increasingly secular nature of Italian society and the state's at times problematic relationship with the Vatican. (4 credits)

**HIST 350 AMERICAN CATHOLIC HISTORY**

Since their first settlement in Maryland, American Catholics have attempted to understand the complex and dynamic relationship between Church and state, their religion and their country. American Catholic thought and practice from the early seventeenth century until today have led to divergent and often controversial conclusions about the compatibilities and complementarities, or incongruities and contradictions, between American principles, ideals, and institutions on the one hand, and Catholic faith, teaching, and practice on the other. This course will investigate the breadth and depth of these debates – intellectual, political, ecclesiological, cultural, social, and economic – through a combination of primary documents and scholarly interpretations, all of which primate to illustrate the debates of the past that continue to inform those of the present. Prerequisites: HIST 100, HIST 208 or HIST 209, POLT 203. (4 credits)

**HIST 359 AMERICAN POLITICAL HISTORY**

This course will examine the history of American politics from the Constitutional convention to the present. (4 credits)

**HIST 362 THE CRUSADES**

This course will examine the wars fought between Christendom and Islam for control of the Holy Land. Emphasis will be placed on the historiography and different interpretations of the Crusades. (4 credits)

**HIST 366 THE HISTORY OF THE BRITISH EMPIRE**

This course offers a survey of the British Empire from its origins in the 16th century to the era of decolonization after 1945. It analyzes how Britain, a small north European country, was able to conquer, settle and rule an empire that spanned the globe. It assesses how British citizens thought about their empire and how their various forms of imperialism transformed Britain. It further considers the experiences of colonized people and how different regions of the world were affected by imperial rule. Topics to be discussed may include explorations and colonial encounters, emigrant correspondences and diaries, visual culture (film, photography, paintings, sculptures, and newspaper cartoons), material culture (museums, exhibitions and advertising), literature (novels, poetry, travel narratives) and indigenous oral histories. (4 credits)

**HIST 367 WAR AND CULTURE IN THE 20th CENTURY**

This course will examine the social and cultural impact of war in the twentieth century. Topics include Total War, mass bereavement, war and faith, war and memory, and representations of war in the arts. The course will center on the First and Second World Wars, although there may be occasional topics devoted to other wars. (4 credits)

**HIST 370 FILM AND HISTORY**

This course is intended to introduce students to the uses of film as an historical source as well as a means of narrating the past. It presents filmic images as prisms and allegories through which individuals in the past understood their society. Students will be required to critically analyze the ideas and attitudes at work in film and the various stylistic and technical means through which those beliefs are communicated. It also will assess the merits of film as an historical source as well as the ways in which film is a powerful medium that influences how we view the past. Recognizing film as art, the course seeks to further the university's dedication to fostering an appreciation of the arts. Possible topics include War and Film, The American West in Film, Decolonization and Film, Historical Films, etc. (4 credits)

**HIST 372 THE HOLOCAUST**

This course will examine the historical background and history of the Holocaust, the systematic persecution and mass murder of six million Jews throughout Germany and Nazi-occupied Europe by the German Nazi government during World War II. In so doing, students will discuss Jewish life in Germany before World War II, the historical roots of Nazi anti-Semitism, Adolf Hitler and the rise of the Nazi Party, which ruled Germany from 1933 to 1945, the formulation and implementation of Nazi anti-Jewish legislation, including the infamous Nuremberg laws of 1935, the establishment of Jewish ghettos and Nazi death camps, and the planning and carrying out of the "Final Solution," the extermination of Europe's Jews. Special attention will be paid to the memory of the Holocaust and the various means of representing the Holocaust in Western culture. (4 credits)

**HIST 373 HUDDLED MASSES: THE AMERICAN IMMIGRANT EXPERIENCE, 1840-PRESENT**

This course explores various themes related to the experiences of American immigrants in the nineteenth and twentieth centuries. These include migration patterns, family correspondences, exclusion and assimilation, multiculturalism, foodways, music cultures, sport, religion and issues of memory, home and belonging. Prerequisite: HIST 100. (4 credits)

**HIST 374 RELIGION AND POLITICS IN AMERICA**

Religion remains one of the most significant and controversial influences in American politics. Equally important is how American political institutions and ideas have shaped religion in the United States. This course investigates the intersection of religion and politics in America from the colonial period to the present. Readings and discussion will cover the contested religious character of America, the content and parameters of religious freedom, church-state relations, religion in the public square, law and morality, the status of religious minorities, and how religious beliefs have shaped views on war, technology, citizenship, civil rights, and social reform. Prerequisites: HIST 100, HIST 208. (4 credits)

**HIST 375 THE VIKING WORLD**

This course explores the Vikings, their culture at home in medieval Scandinavia, and their profound impact on the various societies across medieval Europe with which they came into contact. Additionally, the class will introduce students to and allow them to grapple with issues surrounding historical topics with limited surviving written sources. It will also encourage students to consider to what extent historians can make use of literary and material culture alongside more 'traditional' historical sources. Prerequisite: HIST 100. (4 credits)

**HIST 376 VICTORIAN SOCIETY AND CULTURE**

This course surveys British cultures in the Victorian era from the 1830s to the end of the nineteenth century. The approach emphasizes the transforming role of industrialization, urbanization, technology, and empire on British cultures throughout this period. Some of the topics that may be covered include Victorian novels and short stories, "self-help", vaudeville and melodrama, autobiography, drinking cultures, crime, childhood, marriage and gender, class, death and mourning, museums and exhibitions, art and photography, education and intellectual life, science and history, spectator sports, as well as present-day myths and debates about the Victorian era. (4 credits)

**HIST 388 TOPICS IN WORLD HISTORY I**

The most important new development in the historical profession is the rise of "Big History". This trend emerged from the earlier creation of "World History" as a field near the end of the last century as it was established by Philip Curtin and William McNeill. McNeill was my teacher in college and Curtin hired me for my first job out of grad school, which was to construct and teach a course called "Topics in World History". Big History as currently practiced by Jared Diamond (Guns, Germs and Steel) and Yuval Harari (Species) has attracted considerable attention in its own right and also as a sign that the age of "Postmodernism" is coming to a close. Postmodernism entails the impossibility of "totalizing metanarratives", integrative inquiry on the largest scale. Big History breaks through these artificial, self-imposed barriers, connecting political and intellectual history with environmental history, linguistics, literature, geography and natural science, particularly biology. (4 credits)



**HIST 389 TOPICS IN WORLD HISTORY II**

The most important new development in the historical profession is the rise of “Big History”. This trend emerged from the earlier creation of “World History” as a field near the end of the last century as it was established by Philip Curtin and William McNeill. McNeill was my teacher in college and Curtin hired me for my first job out of grad school, which was to construct and teach a course called “Topics in World History”. Big History as currently practiced by Jared Diamond (Guns, Germs and Steel) and Yuval Harari (Species) has attracted considerable attention in its own right and also as a sign that the age of “Postmodernism” is coming to a close. Postmodernism entails the impossibility of “totalizing metanarratives”, integrative inquiry on the largest scale. Big History breaks through these artificial, self-imposed barriers, connecting political and intellectual history with environmental history, linguistics, literature, geography and natural science, particularly biology. (4 credits)

**HIST 415 SPECIAL TOPICS IN HISTORY**

This course may be offered on different topics based upon the expertise of the faculty and student interest. Topics may include: American Presidency; Anglo-Scottish Wars of the 14th Century; Modern Italy; Nationalisms; Political Biographies; Roman History; United Kingdom; or Waning of the Middle Ages. (4 credits)

**HIST 490 HISTORY SEMINAR**

The senior seminar is the capstone course for all majors. Examining a topic of their own choosing, students will hone their skills in written and oral argument through the production of an essay of substantial length and a presentation of their research. Prerequisites: HIST 100, HIST 208 or 209, HIST 201, HIST 202. (4 credits)

**HIST 495 HONORS THESIS**

The History Honors Thesis is an optional course open to History Majors in their senior year. It is intended for students interested in further studies in History or a cognate discipline, or for those who wish to pursue a particular historical topic in some detail. The Senior Thesis is a substantial piece of research, and is assessed based on an essay of no less than 50 pages and a public presentation of research. It requires an element of original research, to be agreed with the individual supervisor. Admission is at the discretion of the Department. The course will be cross-listed with HIST 490. Prerequisite: HIST 100, HIST 208 or 209, HIST 201, HIST 202. (4 credits)

**HIST 497 HISTORY INTERNSHIP**

The internship is a curricular-related opportunity that allows students to earn between one and four credits while gaining valuable professional experience in public and private institutions engaged in the work of history. Students may not receive retroactive credit for an internship they have already begun or completed. Interns will work a set number of hours over the course of the semester on a schedule approved by the internship supervisor and faculty director. (Variable credit)

## Typical Plan—History (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110, 120, 150 or 151          | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | HIST 100 Doing History              | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| Elementary Foreign Language I      | 4              | Intermediate Foreign Language II    | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>         | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|------------------------------|----------------|----------------------------------|----------------|
| PHIL 205 Nature and Person   | 4              | PHIL 206 Ethics                  | 4              |
| THEO 205 Sacred Doctrine     | 4              | HIST 208 or HIST 209             | 4              |
| HIST 201 Formation of Europe | 4              | POLT 203 American Civilization   | 4              |
| General Elective             | 4              | HIST 202 Imagining Modern Europe | 4              |
| Total                        | 16             | Total                            | 16             |

### Junior Year

| <u>Fall Semester</u> | <u>Credits</u> | <u>Spring Semester</u> | <u>Credits</u> |
|----------------------|----------------|------------------------|----------------|
| History Elective*    | 4              | History Elective*      | 4              |
| History Elective*    | 4              | History Elective*      | 4              |
| Science I with Lab   | 4              | Science II with Lab    | 4              |
| General Elective     | 4              | General Elective       | 4              |
| Total                | 16             | Total                  | 16             |

### Senior Year

| <u>Fall Semester</u> | <u>Credits</u> | <u>Spring Semester</u>    | <u>Credits</u> |
|----------------------|----------------|---------------------------|----------------|
| HIST 490 or HIST 495 | 4              | THEO 400 Living in Christ | 4              |
| General Elective     | 4              | General Elective          | 4              |
| General Elective     | 4              | General Elective          | 4              |
| General Elective     | 4              | General Elective          | 4              |
| Total                | 16             | Total                     | 16             |

\*HIST 497 can only be taken one time as a History elective.

# Humanities and Liberal Studies

Chair: Dr. Travis Curtright, Professor of Humanities and Literature

The Humanities and Liberal Studies Program's reading list is inspired by the Great Books. The major offers its students a broad liberal arts education through a comprehensive study of the Western intellectual tradition as presented in philosophy, literature, theology, history and, to some extent, in the experimental sciences and mathematics. Under optimum circumstances, classes are conducted as seminars with a maximum enrollment of twenty students. This interdisciplinary major allows Ave Maria University to offer its students the opportunity to be nourished in a truly integrated curriculum, as with Great Books Colleges and Programs elsewhere. The Major in Humanities and Liberal Studies is a properly catholic discipline for a Catholic University.

Outcome 1: Students will develop knowledge of the connection between the written and spoken word in Shakespearean drama.

Outcome 2: Students will demonstrate mastery of a work of secondary criticism on a primary text selected from the HUMS capstone course.

Outcome 3: Students will be able to write an argumentative essay, exhibiting competence in invention, organization, and style.

Outcome 4: Students will demonstrate skills in oral presentation.

## Required Courses for the Major

HUMS 306 Humanities Seminar I

HUMS 307 Humanities Seminar II

HUMS 308 Humanities Seminar III

HUMS 309 Humanities Seminar IV

HUMS 490 Thomas More

HUMS/LITR 206 Shakespeare

POLT 402 Modernity and Post-modernity, POLT 403 Tyranny and Totalitarianism, or POLT 404 Technology, Science, and Politics

THEO 309 Christ and His Church, or THEO 411 Advanced Scripture, or THEO 415 Special Topics

12 credits in Humanities electives

## Sample Electives

GREK 203 Greek Readings: Prose

HIST 366 The History of the British Empire

HUMS 325 Jane Austen and Samuel Johnson

HUMS 330 Shakespeare in Performance

LATN 204 Golden Age Poetry

LATN 304 Latin Church Fathers

LITR 490 Senior Seminar: Literary Theory

MATH 201 History of Mathematics

MUSC 312 Survey of Western Music History I

MUSC 313 Survey of Western Music History II

PHIL 403 Political Philosophy

PHIL 405 Philosophy of Science

POLT 201 Introduction to Political Thought

POLT 302 Catholic Political Thought

Given the overlapping character of many courses offered by various departments, courses from any department with substantial interdisciplinary content or within the Western intellectual tradition are eligible as electives or as replacements for required courses, subject to the prior approval from the Department Chair.

## Minor in Shakespeare in Performance

There is significant interest in the study of Shakespeare in both a textual and performance setting. The minor is interdisciplinary by combining approaches from literature, theatre, humanities, and history in the study of one of the great playwrights of Western Civilization. As such, the minor is housed in the Humanities and Liberal Studies program.

### Required courses (Six total)

HUMS/LITR 206 Shakespeare

HUMS 330 Shakespeare in Performance

HUMS 330 Shakespeare in Performance\*

THEA 206 Fundamentals of Acting I

THEA 207 Fundamentals of Acting II

One approved elective course dealing with the historical, political, or intellectual milieu of Shakespeare's age or Shakespeare's texts.

\*HUMS 330 Shakespeare in Performance may be taken more than once as long as the course includes a production of a different play.

## Course Descriptions

### HUMS 206 SHAKESPEARE

This course studies the plays and poems of possibly the most significant poet of the English language. The class may consider Shakespeare from a variety of perspectives, including the influence of medieval dramas; Renaissance humanism and Reformation controversy; or his contribution to psychological realism and the development of a modern consciousness. Cross-listed with LITR 206. (4 credits)

### HUMS 306 HUMANITIES SEMINAR I

The Humanities Seminar I introduces students to the enduring questions posed by the ancient civilization of Greece. Readings may include: Homer, *Iliad* and *Odyssey*; writings from the pre-Socratics; Herodotus, *History*; Aeschylus, *The Orestia* and *Prometheus Bound*; Sophocles, *Oedipus* and *Antigone*; Euripides, *Bacchae*, *Medea* and *Trojan Women*; Aristophanes, *Clouds*, *Frogs*, *Lysistrata*; Thucydides, *Peloponnesian War*; Plato, *Symposium* and *Republic*; Aristotle, *Nicomachean Ethics*. (4 credits)

### HUMS 307 HUMANITIES SEMINAR II

The Humanities Seminar II introduces students to the major philosophical, theological, and political questions that have animated the intellectual life of Western Civilization from Ancient Rome to the Renaissance. Readings may include:

Lucretius, *On the Nature of the Universe*; Lucian, *Philosophers for Sale*; Horace, *Satires*; Marcus Aurelius, *Meditations*; Augustine, *Confessions*; the *Koran*; Aquinas, *Five Proofs*; Chaucer, *The Canterbury Tales*; More, *Utopia*. (4 credits)

### HUMS 308 HUMANITIES SEMINAR III

Through the close study of influential and important works of modernity, students will gain a critical appreciation of both the intellectual successes and failures that have occurred in modern thought. Readings may include: Galileo, *The Starry Messenger*; Shakespeare, *Measure for Measure*; Descartes, *Discourse on Method*; Pascal, *Pensees*; Hobbes, *Leviathan*; Locke, *Second Treatise*; Voltaire, *Candide*; Hume, *Inquiry Concerning Human Understanding*; Kant, *Foundations of the Metaphysics of Morals*; Burke, *Reflections on the Revolution in France*; Hegel, *Introduction to the Philosophy of History*; Darwin, *Descent of Man*; Marx, *The Communist Manifesto*. (4 credits)

### HUMS 309 THE HUMANITIES SEMINAR IV

The final Humanities Seminar introduces students to the contemporary west and its central thinkers. Readings may include: Nietzsche, *The Gay Science*; Ibsen, *An Enemy of the People*; Freud, *The Interpretation of Dreams*; Joyce, *Portrait of the Artist as a Young Man*; Weber, *Politics as a Vocation*; Huxley, *Brave New World*; Wittgenstein, *Philosophical Investigations*; Mann, *Dr. Faustus*; Piaget, *Structuralism*; Camus, *The Stranger*; Habermas, *Legitimation Crisis*; McCarthy, *Blood Meridian*. (4 credits)

### HUMS 325 JANE AUSTEN AND SAMUEL JOHNSON

Jane Austen said that Samuel Johnson was her “favorite author in prose,” an assessment that invites one to ponder how Johnson influenced Austen’s novels. This course begins by focusing on Johnson as a humanist, his ideas about the office of a poet and novelist, and by studying his moral essays and character sketches found in the Rambler and Idler. Afterward, we turn to the novels of Austen, investigating how the two authors may complement or contradict each other. Cross-listed with LITR 415. (4 credits)

### HUMS 330 SHAKESPEARE IN PERFORMANCE

The goal of this course is for students to master a single Shakespearean play by staging it from the ground up. Students will produce the play by modeling themselves after an Elizabethan acting troupe that explores the possibilities of classical training in verse, prose, rhetoric, and voice in performance. As members of the troupe, students will be responsible for interpretative choices, set design, costuming, publicizing and marketing themselves and their work, composing and/or integrating music into the production, even ticketing. Cross-listed with THEA 330 and COMM 330; may repeat for credit. (4 credits)

### HUMS 415 SPECIAL TOPICS

With the approval of the department chair, courses may be offered on special topics. (4 credits)

### HUMS 490 THOMAS MORE

This course investigates Thomas More as English humanist, poet, political philosopher, moralist, rhetorician, and statesman. Through a careful reading of More’s works and a selection of other texts from his circle, it considers his understanding of Christian humanism and its influence. (4 credits)

## Theater courses for the Minor in Shakespeare in Performance

### THEA 204 THEATRE PRODUCTION PRACTICUM

Students will participate in the production of a play or perform monologues or scenes from one as part of HUMS 206. This practicum also allows students to work in technical support or performance roles for dramatic productions approved by the Humanities department. Productions vary by semester and are, in part, determined by the talents and abilities of the students who enroll in the course. (0 credits)

#### THEA 206 FUNDAMENTALS OF ACTING I

This course allows students to work on learning, exploring, cultivating, developing, improving, and expanding their acting skills for use on the university, community theatre, or professional (Broadway) stage. The areas explored include team building, sensory and space awareness, physicalization, vocalization, mime, improvisation, character analysis and development, memorization, blocking and stage business, stage movement, and pre-performance prep. A monologue performance is typically assigned as a final project/exam. (4 credits)

#### THEA 207 FUNDAMENTALS OF ACTING II

An intermediate-level course designed to continue the fundamental acting training begun in Fundamentals of Acting I, with a more intense and in-depth exploration of scene study. The focus will be on acting techniques within the presentational and representational styles utilizing scenes and a monologue drawn from a contemporary American play, a masterpiece of European realism and a classical play from the Elizabethan or Restoration era. (4 credits)

#### THEA 330 SHAKESPEARE IN PERFORMANCE

The goal of this course is for students to master a single Shakespearean play by staging it from the ground up. Students will produce the play by modeling themselves after an Elizabethan acting troupe that explores the possibilities of classical training in verse, prose, rhetoric, and voice in performance. As members of the troupe, students will be responsible for interpretative choices, set design, costuming, publicizing and marketing themselves and their work, composing and/or integrating music into the production, even ticketing. Cross-listed with HUMS 330 and COMM 330; may repeat for credit. (4 credits)

## Typical Plan—Humanities and Liberal Studies (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110, 120, 150, or 151         | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | General Elective                    | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| LATN 101 Elementary Latin*         | 4              | LATN 102 Intermediate Latin*        | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>          | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|-------------------------------|----------------|--------------------------------|----------------|
| PHIL 205 Nature and Person    | 4              | PHIL 206 Ethics                | 4              |
| THEO 205 Sacred Doctrine      | 4              | POLT 203 American Civilization | 4              |
| Science I with Lab            | 4              | Science II with Lab            | 4              |
| HUMS 306 Humanities Seminar I | 4              | HUMS 307 Humanities Seminar II | 4              |
| Total                         | 16             | Total                          | 16             |

### Junior Year

| <u>Fall Semester</u>            | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|---------------------------------|----------------|----------------------------------|----------------|
| HUMS/LITR 206 Shakespeare       | 4              | Humanities Elective              | 4              |
| HUMS 308 Humanities Seminar III | 4              | HUMS 309 Humanities Seminar IV   | 4              |
| Humanities Elective             | 4              | THEO 309 or THEO 370 or THEO 415 | 4              |
| General Elective                | 4              | General Elective                 | 4              |
| Total                           | 16             | Total                            | 16             |

### Senior Year

| <u>Fall Semester</u> | <u>Credits</u> | <u>Spring Semester</u>          | <u>Credits</u> |
|----------------------|----------------|---------------------------------|----------------|
| General Elective     | 4              | POLT 402, POLT 403, or POLT 404 | 4              |
| HUMS 490 Thomas More | 4              | THEO 400 Living in Christ       | 4              |
| Humanities Elective  | 4              | General Elective                | 4              |
| General Elective     | 4              | General Elective                | 4              |
| Total                | 16             | Total                           | 16             |

\*Latin is recommended, but not required, for the Humanities and Liberal Studies Major.

# Literature

Chair: Dr. Lylas Rommel, Associate Professor of Literature

Literature embodies a vision of life. For those who wish to explore the perennial themes of human experience, the study of literature is an essential part of an education. The University faculty holds that a close reading of great literary works imparts wisdom and is one of the modes of perceiving truth; that literature is best understood not only in relation to theology, philosophy, and history, but also as synthesizing and ordering the insights of these modes of knowledge. Literary study's special interest in perspective, form, tone, nuance, setting, wit, and irony goes far in shaping a subtle intelligence that appreciates the complexity and fulsomeness of human experience.

The University courses in literature introduce students to the classics of the West so that they may better understand themselves and their world by reading what the best authors have thought about the most important questions—questions about human purpose, the relationship between God and the human person and between man and woman, the foundations of knowledge, and the basis of human community.

Thus, the sequence of courses required for the degree sets out a method of reading, analyzing, and writing that brings students into an imaginative participation in some of the greatest writers in the Western tradition and liberates them to pursue reading and critical thinking on their own. Because of the vast variety of literary forms, techniques, historical contexts, and individual authorial visions, course content will be fluid, depending on students' interests and pedagogical needs. In all cases, however, Literature classes will focus on close reading and analytic and researched argumentative writing.

## Student Learning Goals and Outcomes for the Major in Literature

Goal 1: Through coursework students will acquire the following: An introduction to literary genre through British and American works and some texts in translation; an ability to write research and argumentative essays; an acquaintance with literature in its technical aspects, in particular, figurative language, prosody, and rhetoric.

Outcome 1: Students will become familiar with English canonical literature (British and American).

Outcome 2: Students will be able to analyze literature in its technical aspects, including the ability to recognize figurative language, analyze prosody, and identify rhetorical terms.

Outcome 3: Students will be able to draft a prospectus, conduct research, and follow a question through multiple drafts.

Outcome 4: Students will be satisfied with the program. If they wish, they will be able to pursue future study.

Outcome 5: Students will be able to write an argumentative essay, exhibiting competence in invention, organization, and style.

## Minor in Literature

To earn the minor in Literature, students must complete LITR 223: Studies in Genre I and four Literature electives.



## Required Courses for the Major

COMP 101 Composition

LITR 206 Shakespeare

LITR 223 Studies in Genre I

LITR 224 Studies in Genre II

LITR 230 Survey of American Literature

LITR 330 Survey of English Literature

LITR 491 Capstone in Literature

Three electives (including at least one elective in Medieval or Renaissance Literature and one elective in 18<sup>th</sup>-Century or Modern Literature)

## Course Descriptions

### LITR 206 SHAKESPEARE

This course studies the plays and poems of possibly the most significant poet of the English language. The class may consider Shakespeare from a variety of perspectives, including the influence of medieval dramas; Renaissance humanism and Reformation controversy; or his contribution to psychological realism and the development of a modern consciousness. (4 credits)

### LITR 223 STUDIES IN GENRE I

An introduction to the major literary forms and how to analyze them. First semester will focus on poetry, drama, and short stories from all periods of English and American literature. The first half of the course will emphasize close reading of and appropriate written responses to the form. The second half will focus on methods of research and the writing of a researched essay. The topics for the research paper will derive from class discussion and the particular poems, plays, and stories chosen for the course. (4 credits)

### LITR 224 STUDIES IN GENRE II

A continuation of Studies in Genre I. Second semester will focus on essays and novels. This course will examine the differences between fictional and non-fictional prose and the history of each form. Short analytic papers and a longer research paper are required. (4 credits)

### LITR 230 SURVEY OF AMERICAN LITERATURE

The study of major American writers primarily of the nineteenth and twentieth centuries. Topics may include the tension in the American experience between the religion and culture of the Puritans and emerging deist and agnostic trends growing in the wake of modern science and the Industrial Revolution; the development of a democratic sensibility; the tensions and fruitfulness generated by the meeting of the New World with the Old; the Southern Renaissance. (4 credits)

### LITR 330 SURVEY OF ENGLISH LITERATURE

The study of major trends in English literature including representative texts from Anglo-Saxon, Middle English, Renaissance, Early Modern English, Restoration and 18<sup>th</sup> Century, English Romantic, Victorian, and Modernist authors. Topics may include the history of the development of the English language, the effect of the Reformation in England, the rise of science and the Industrial Revolution, the development of reading among the middle and lower classes, the literary changes due to Modernism and World War One. (4 credits)

**LITR 370 FILM AND HISTORY**

This course is intended to introduce students to the uses of film as an historical source as well as a means of narrating the past. It presents filmic images as prisms and allegories through which individuals in the past understood their society. Students will be required to critically analyze the ideas and attitudes at work in film and the various stylistic and technical means through which those beliefs are communicated. It also will assess the merits of film as an historical source as well as the ways in which film is a powerful medium that influences how we view the past. Recognizing film as art, the course seeks to further the university's dedication to fostering an appreciation of the arts. Possible topics include War and Film, The American West in Film, Decolonization and Film, Historical Films, etc. Cross-listed with HIST 370. (4 credits)

**LITR 491 CAPSTONE IN LITERATURE**

The final synthesizing review of literature, which will include an overview of major theorists as they may be applied to the range of English and American literary texts covered in the course of the degree program. Students will produce a substantial researched literary argument on a topic of their choosing and present it orally to the class. (4 credits)

## Typical Plan—Literature (B.A.)

### Freshman Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| MATH 110, 120, 150, or 151         | 4       | THEO 105 Sacred Scripture           | 4       |
| COMP 101 Composition               | 4       | General Elective                    | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| LATN 101 Elementary Latin*         | 4       | LATN 102 Intermediate Latin*        | 4       |
| Total                              | 16      | Total                               | 16      |

### Sophomore Year

| Fall Semester               | Credits | Spring Semester                        | Credits |
|-----------------------------|---------|--|---------|
| LITR 223 Studies in Genre I | 4       | LITR 224 Studies in Genre II           | 4       |
| THEO 205 Sacred Doctrine    | 4       | POLT 203 American Civilization         | 4       |
| Science I with Lab          | 4       | Science II with Lab                    | 4       |
| LITR 206 Shakespeare        | 4       | LITR 230 Survey of American Literature | 4       |
| Total                       | 16      | Total                                  | 16      |

### Junior Year

| Fall Semester                         | Credits | Spring Semester                  | Credits |
|---------------------------------------|---------|----------------------------------|---------|
| LITR 330 Survey of English Literature | 4       | Literature Elective <sup>1</sup> | 4       |
| General Elective                      | 4       | Literature Elective <sup>1</sup> | 4       |
| General Elective                      | 4       | General Elective                 | 4       |
| PHIL 205 Nature and Person            | 4       | PHIL 206 Ethics                  | 4       |
| Total                                 | 16      | Total                            | 16      |

### Senior Year

| Fall Semester                    | Credits | Spring Semester                 | Credits |
|----------------------------------|---------|---------------------------------|---------|
| THEO 400 Living in Christ        | 4       | General Elective                | 4       |
| Literature Elective <sup>1</sup> | 4       | LITR 491 Capstone in Literature | 4       |
| General Elective                 | 4       | General Elective                | 4       |
| General Elective                 | 4       | General Elective                | 4       |
| Total                            | 16      | Total                           | 16      |

\*Latin is recommended, but not required, for the Literature Major.

<sup>1</sup>At least one elective in Medieval or Renaissance Literature and one elective in 18<sup>th</sup>-Century or Modern Literature is required.

# Managerial Economics & Strategic Analysis

Program Director: Dr. Gabriel Martinez, Associate Professor of Economics and Director of Online Education

The major in Managerial Economics & Strategic Analysis (MESA) is designed for students who wish to apply advanced economic analysis to the problems and realities of the business world. MESA focuses on issues at the level of the firm and the individual, as well as issues of pricing, bringing products to market, and law. The major allows students to focus on the economic issues of firms and corporations and to relate these principles, tools, and concepts to the relevant aspects of business.

## Student Learning Goals and Outcomes for the Major in Managerial Economics & Strategic Analysis

Goal 1: Students will know how to analyze the problems and realities of the business world through detailed knowledge of business and by applying economic principles, tools, and concepts to the issues of firms and corporations.

Outcome 1: Students will be able to use the basic principles, theories, and models of business economics, especially those relating to strategic thinking, to analyze, interpret, and forecast business trends and processes as an aid to management.

Outcome 2: Students will have a general understanding of the laws of the United States as they relate to business activities, operations and transactions.

Outcome 3: Students will be able to understand fundamental concepts and principles of management, including the basic roles, skills, and functions of business management.

Outcome 4: Each student will be able to demonstrate knowledge and understanding of core accounting fundamentals, and to evaluate the financial position of organizations using standard analytic tools of applied financial analysis.

Outcome 5: Students will be able to discuss economic proposals with strong communication skills, appropriate use of theory and evidence.

Outcome 6: Students will be able to conduct undergraduate-level research with the appropriate skills, tools, and methodology.

## Typical Order of Required Courses for the Major

ECON 201 Principles of Macroeconomics

ECON 202 Principles of Microeconomics

ACCT 201 Financial Accounting

STAT 230 Applied Statistics

ECON 302 Intermediate Microeconomics

BUSN 303 Management and Ethics

BUSN 340 Business Law I

ECON 403 Introduction to Econometrics

ECON 332 Strategic Thinking and Game Theory

Two Electives out of

MKTG 200 Marketing

One additional elective in Economics

## Typical Plan—Managerial Economics & Strategic Analysis (B.A.)

### Freshman Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| MATH 110 or MATH 150               | 4       | THEO 105 Sacred Scripture           | 4       |
| COMP 101 Composition               | 4       | ECON 201 Principles of Macroecon    | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| Elementary Foreign Language        | 4       | Intermediate Foreign Language       | 4       |
| Total                              | 16      | Total                               | 16      |

### Sophomore Year

| Fall Semester                    | Credits | Spring Semester                | Credits |
|----------------------------------|---------|--------------------------------|---------|
| PHIL 205 Nature and Person       | 4       | PHIL 206 Ethics                | 4       |
| THEO 205 Sacred Doctrine         | 4       | POLT 203 American Civilization | 4       |
| Science I with Lab               | 4       | Science II with Lab            | 4       |
| ECON 202 Principles of Microecon | 4       | STAT 230 Applied Statistics    | 4       |
| Total                            | 16      | Total                          | 16      |

### Junior Year

| Fall Semester                         | Credits | Spring Semester                 | Credits |
|---------------------------------------|---------|---------------------------------|---------|
| ACCT 201 Financial Accounting         | 4       | BUSN 303 Management and Ethics  | 4       |
| ECON 403 Introduction to Econometrics | 4       | ECON 302 Intermediate Microecon | 4       |
| General Elective                      | 4       | General Elective                | 4       |
| General Elective                      | 4       | General Elective                | 4       |
| Total                                 | 16      | Total                           | 16      |

### Senior Year

| Fall Semester                  | Credits | Spring Semester                | Credits |
|--------------------------------|---------|--------------------------------|---------|
| ECON 332 Strategic Thinking    | 4       | BUSN 340 Business Law I        | 4       |
| MKTG 200 or Economics Elective | 4       | MKTG 200 or Economics Elective | 4       |
| General Elective               | 4       | THEO 400 Living in Christ      | 4       |
| General Elective               | 4       | General Elective               | 4       |
| Total                          | 16      | Total                          | 16      |

# Marine Biology (B.S.)

Chair: Dr. Nicholas Curtis, Associate Professor of Biology

The Marine Biology Degree is a science specialization in marine based biological organisms and ecology. Offered by the Department of Biology, the Marine Biology program is built on the foundation of the B.S. Biology degree but includes additional science courses necessary for a strong marine biology degree.

Students entering this dynamic field can expect to become involved directly in addressing some of the significant problems related to human impact on critical marine environments. This comprehensive major is designed to meet the needs of students who desire a broadly based education in preparation for field/laboratory careers in such areas as applied marine biology, marine ecology, graduate programs, government service, teaching, and private industry/consulting.

## Student Learning Outcomes for the B.S. in Marine Biology

Goal 1: Students will comprehend some of the significant problems related to human impact on the Marine environment.

Outcome 1: Students will demonstrate knowledge of the interdisciplinary nature of marine related problems and possible solutions

Outcome 2: Students will have an understanding of laboratory and field experimentation and different sampling techniques in marine environments.

Outcome 3: Students will demonstrate proficiency in understanding and use of the scientific literature as a tool for research and scholarship.

Outcome 4: Students will gain experience performing original scientific research in Marine Biology.

Outcome 5: Students will demonstrate a foundation in critical thinking skills related to the sciences, including the fundamentals of scientific inquiry, critical analysis of experimental data, and communication of results (oral and written).

Outcome 6: Students will be able to comprehend and understand significant marine issues currently impacting society.

## Required Courses for the Major

BIOL 211 Biology I Cellular and Molecular Biology

BIOL 212 Biology II Organismal and Population Biology

BIOL 220 Zoology

BIOL 230 Botany

BIOL 240 or BIOL 241 General Ecology

BIOL 303 Genetics

BIOL 307 Marine Biology

BIOL 310 General and Chemical Oceanography

BIOL 321 Tropical Ecology and Field Biology

BIOL 401 Microbiology

BIOL 497 Directed Research

CHEM 125 General Chemistry I

CHEM 126 General Chemistry II

CHEM 211 Organic Chemistry I

PHYS 211 or 221 Physics I

### Two Electives from among the following courses

BIOL 402 Microbiological Ecology

BIOL 403 Animal Physiology

BIOL 407 Marine Zoology

BIOL 408 Marine Botany

BIOL 438 Aquatic Biology

### Minor in Marine Biology

#### Requirements

BIOL 211 Biology I Cellular and Molecular Biology

BIOL 220 Zoology or BIOL 230 Botany

BIOL 240 or BIOL 241 General Ecology

BIOL 307 Marine Biology

### Two from among the following courses

BIOL 310 General and Chemical Oceanography

BIOL 321 Tropical Ecology and Field Biology

BIOL 402 Microbiological Ecology

BIOL 403 Animal Physiology

BIOL 407 Marine Zoology

BIOL 408 Marine Botany

BIOL 438 Aquatic Ecology

### Course Descriptions

Marine Biology course descriptions are listed under the Biology Major.



## Typical Plan—Marine Biology (B.S.)

### Freshman Year

| Fall Semester              | Credits | Spring Semester              | Credits |
|----------------------------|---------|------------------------------|---------|
| BIOL 211 Biology I         | 4       | BIOL 212 Biology II          | 4       |
| MATH 150 or MATH 151       | 4       | THEO 105 Sacred Scripture    | 4       |
| COMP 101 Composition       | 4       | General Elective             | 4       |
| LATN 101 Elementary Latin* | 4       | LATN 102 Intermediate Latin* | 4       |
| Total                      | 16      | Total                        | 16      |

### Sophomore Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| CHEM 125 General Chemistry I       | 4       | CHEM 126 General Chemistry II       | 4       |
| BIOL 230 Botany                    | 4       | BIOL 220 Zoology                    | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| THEO 205 Sacred Doctrine           | 4       | BIOL 240 or 241 Ecology             | 4       |
| Total                              | 16      | Total                               | 16      |

### Junior Year

| Fall Semester                | Credits | Spring Semester                  | Credits |
|------------------------------|---------|----------------------------------|---------|
| BIOL 303 Genetics            | 4       | BIOL 401 Microbiology            | 4       |
| BIOL 307 Marine Biology      | 4       | BIOL 310 Gen & Chem Oceanography | 4       |
| CHEM 221 Organic Chemistry I | 4       | Marine Biology Elective**        | 4       |
| PHIL 205 Nature and Person   | 4       | PHIL 206 Ethics                  | 4       |
| Total                        | 16      | Total                            | 16      |

### Senior Year

| Semester                                | Credits | Spring Semester                | Credits |
|---|---------|--------------------------------|---------|
| Marine Biology Elective**               | 4       | POLT 203 American Civilization | 4       |
| General Elective                        | 3       | THEO 400 Living in Christ      | 4       |
| PHYS 211 or PHYS 221                    | 4       | General Elective               | 4       |
| BIOL 321 Tropical Ecology               | 4       | General Elective               | 4       |
| BIOL 497 Directed Research <sup>#</sup> | 1       |                                |         |
| Total                                   | 16      | Total                          | 16      |

\*Latin is recommended, but not required, to fulfill the language requirement for the Marine Biology Major.

\*\*Marine Biology electives include BIOL 402, BIOL 403, BIOL 407, BIOL 408, and BIOL 438.

<sup>#</sup>More than 1 semester of directed research is recommended for those who wish to attend graduate school.

# Marketing

Chair of the Department of Business: Dr. Frank Shepard, Associate Professor of Finance

The major in Marketing teaches students to think about brands strategically, communicate the institutional brand, study and draw conclusions from consumer behavior, evaluate marketing strategies and issues ethically, and implement marketing strategies in online settings. As marketing focuses upon consumers or client organizations and their needs, its goals are to identify these needs, to provide a product or service meeting those needs, and to analyze how and where products can be positioned to best reach consumers.

Marketing includes marketing research: the discipline of identifying customers' desires, which increasingly involves statistical techniques, and matching suitable products to satisfy those needs. Microeconomic and psychological concepts and techniques are also involved in the selection of a price structure, perceived by the customer as fair, which contributes to the firm's profit goals. Moreover, marketing involves product placement, or putting the product where it can be easily accessible to consumers. It also entails the pursuit of sales by developing relationships with buyers that will facilitate the purchasing decision. Hence, the field of marketing encompasses product development, pricing, distribution, promotional elements and relationship building. Without the sales and marketing function, an organization's revenue generation is hampered, which, in turn, means a firm cannot serve persons and the broader community well.

The distinctive character of this program is its commitment to marrying the art of marketing with a commitment to communicate truth in all matters. Within the context of a Catholic liberal arts university, it also upholds the responsibility of those within business generally and marketing in particular to value the dignity of the human person, the common good, subsidiarity and solidarity, as well as to respect ownership as stewardship. Marketing can be a significant vocation through which to serve humankind and the Church in the pursuit of truth.

## Student Learning Outcomes for the Major in Marketing

Goal 1: Students will be capable of identifying the target market, describing an organization's unique selling proposition, and able to develop a plan to implement a promotional, pricing and distribution strategy for a product or service.

Outcome 1: Students will learn to manage the marketing process and create value for the organizational and all stakeholders.

Outcome 2: Students will demonstrate multi-channel communication skills including oral, written, audio/visual and digital.

Outcome 3: Students will apply consumer behavioral theories in projects and live case studies.

Outcome 4: Students will evaluate and assess the legal and ethical ramifications of their actions and decisions.

Outcome 5: Students will leverage digital tools to support successful business decision-making, organizational communication, business operations and customer relations.

## Required Courses for the Major

ACCT 201 Financial Accounting

ACCT 202 Managerial Accounting

BUSN 201 Principled Entrepreneurship  
 BUSN 303 Management and Ethics  
 BUSN 340 Business Law I  
 BUSN 368 Quantitative Business Analysis  
 BUSN 490 Strategic Management/Business Capstone  
 ECON 201 Principles of Macroeconomics  
 ECON 202 Principles of Microeconomics  
 FINC 201 Fundamentals of Finance  
 MKTG 200 Marketing (taught twice a year – previously BUSN 304)  
 MKTG 300 Integrated Marketing Communications  
 MKTG 335 Consumer Behavior  
 MKTG 350 Marketing Research  
 MKTG 450 Advertising and Digital Marketing  
 STAT 230 Applied Statistics

## Course Descriptions

Course descriptions can be found under their major.

### MKTG 200 MARKETING (previously BUSN 304)

An introduction to marketing strategy, with emphasis on segmentation, positioning, and the marketing mix. Ethical principles in marketing, strategic marketing planning, and marketing research. Higher level of thinking skills, communication, teamwork, and analytical skills through case discussions and the development of a comprehensive final project. (4 credits)

### MKTG 300 INTEGRATED MARKETING COMMUNICATIONS

This course introduces the student to the field of integrated marketing communications (IMC) and its role in the marketing mix. Emphasis is placed on understanding the role for advertising and other promotional tools in the IMC program of an organization to achieve effective marketing campaigns based on clear objectives, market segmentation and target marketing, within established time and cost parameters. Prerequisite: MKTG 200. (4 credits)

### MKTG 335 CONSUMER BEHAVIOR

This course covers the buyer decision process, which serves as a framework for the analysis of how and why products and services are purchased and used. How are marketing strategies of organizations affected by consumer decisions? Particular emphasis on marketing applications in high-tech and service industries. Prerequisite: MKTG 200. (4 credits)

### MKTG 350 MARKETING RESEARCH

The market research process involves designing, conducting, and using marketing research studies. This course provides extensive coverage of the components of a market research project, qualitative research, survey and experimental designs and data analysis with statistical software packages. Prerequisite: MKTG 200, C or better in STAT 230. (4 credits)

### MKTG 450 ADVERTISING AND DIGITAL MARKETING

This course focuses the essential promotional element of advertising with specific emphasis on the use of digital marketing at both strategic and tactical levels, including such topics as e-Commerce, e-CRM (Digital Customer Relations Management), search engine marketing (SEM), search engine optimization (SEO), interactive marketing, retargeting, mobile advertising and social media. The course has a practical orientation and includes hands-on examination of some of the tools of the trade. Prerequisite: MKTG 300. (4 credits)

## Typical Plan—Marketing (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>               | <u>Credits</u> |
|------------------------------------|----------------|--------------------------------------|----------------|
| MATH 110 College Algebra           | 4              | THEO 105 Sacred Scripture            | 4              |
| Elementary Language                | 4              | Intermediate Language                | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II  | 4              |
| COMP 101 Composition               | 4              | BUSN 201 Principled Entrepreneurship | 4              |
| Total                              | 16             | Total                                | 16             |

### Sophomore Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>             | <u>Credits</u> |
|----------------------------------|----------------|------------------------------------|----------------|
| PHIL 205 Nature and Person       | 4              | PHIL 206 Ethics                    | 4              |
| ECON 201 Principles of Macroecon | 4              | ECON 202 Principles of Microecon   | 4              |
| MKTG 200 Marketing               | 4              | MKTG 300 Integrated Marketing Comm | 4              |
| THEO 205 Sacred Doctrine         | 4              | STAT 230 Applied Statistics        | 4              |
| Total                            | 16             | Total                              | 16             |

### Junior Year

| <u>Fall Semester</u>          | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|-------------------------------|----------------|----------------------------------|----------------|
| MKTG 350 Marketing Research   | 4              | ACCT 202 Managerial Accounting   | 4              |
| ACCT 201 Financial Accounting | 4              | POLT 203 American Civilization   | 4              |
| Science I with Lab            | 4              | Science II with Lab              | 4              |
| General Elective              | 4              | FINC 201 Fundamentals of Finance | 4              |
| Total                         | 16             | Total                            | 16             |

### Senior Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MKTG 335 Consumer Behavior         | 4              | MKTG 450 Advertising and Digit Mktg | 4              |
| BUSN 303 Management and Ethics     | 4              | BUSN 490 Strategic Management       | 4              |
| BUSN 368 Quantitative Bus Analysis | 4              | THEO 315 or THEO 400                | 4              |
| General Elective                   | 4              | BUSN 340 Business Law I             | 4              |
| Total                              | 16             | Total                               | 16             |

# Mathematics

Chair: Dr. Andrey Glubokov, Assistant Professor of Mathematics

Mathematics is an essential component of the traditional liberal arts. From their inception in Greek thought, the liberal arts included arithmetic and geometry. In the medieval grouping of the liberal arts into trivium and quadrivium, the latter four were considered intrinsically mathematical in nature. The ancient Greeks and medieval schoolmen considered mathematics as a propaedeutic for higher studies. The abstraction, formality, and rigor of mathematical reasoning instill in the student habits of logic, precision, clarity, and patience. The study of mathematical objects disposes the student to the existence of immaterial forms. The structure of mathematics reveals an order and beauty in the universe.

The Mathematics Program aims to convey three distinct aspects to diverse constituencies in the University. Mathematics is: a mode of formal reasoning in the tradition of the quadrivium; a practical art in application to the quantitative sciences; a discipline in its own right.

The Mathematics Program develops a student's understanding of the nature, power, scope, and beauty of mathematical thought within a Catholic liberal arts tradition. The mathematics curriculum provides students with a solid foundation in theoretical, practical, and computational aspects of the discipline. The Mathematics Major, in conjunction with the integrated Core Curriculum, forms habits of mind and hones intellectual skills that equip the student for a lifetime of learning. With a judicious choice of electives and an appropriate minor, the Mathematics Major can prepare a student for a wide spectrum of vocations.

## Student Learning Goals and Outcomes for the Major in Mathematics

Goal 1: Provide a strong, flexible, effective major in mathematics.

Outcome 1: Students will demonstrate knowledge of mathematics commensurate with career goals, including knowledge of mathematical operations such as limits, integration, and differentiation.

Outcome 2: Students will demonstrate familiarity with modes of logical reasoning and possess mathematical habits of mind.

Outcome 3: Students will demonstrate facility in using the language of mathematics.

Outcome 4: Students will exhibit ability to construct and critically analyze mathematical arguments.

Outcome 5: Students will develop problem-solving skills and creative intuition within particular areas of interest.

Outcome 6: Students will demonstrate the ability to use mathematics as a basis for scientific thinking and acting.

## Mathematics Core

The University uses a placement protocol, which includes a mathematics placement exam, to assist students in the selection of a suitable core course from the following list: MATH 110 College Algebra; MATH 120 Finite Mathematics; MATH 150 Functions; MATH 151 Calculus I.

## Mathematics Major

The Mathematics Major consists of seven required mathematics courses, four elective mathematics courses, and two required physics courses. Mathematics Majors are required to take (or otherwise obtain credit for) the standard Latin sequence. The enriched appreciation for formal grammar coming from the study of Latin aids one in mathematical reasoning and computer programming. The habits of mind (clarity and precision) necessary for careful parsing of text are essential for the understanding of mathematical principles and theories, and the development of models to investigate particular situations.

At the discretion of the department, students may receive Advanced Placement credit or transfer credit for courses. Highly motivated students are encouraged to participate in undergraduate research under the guidance of a faculty member.

### Required Courses for the Major

MATH 151 Calculus I  
 MATH 250 Calculus II  
 MATH 251 Vector Calculus  
 MATH 270 Scientific Programming  
 MATH 310 Algebraic Structures or MATH 311 Linear Structures  
 MATH 330 Probability  
 MATH 490 Senior Seminar

### Required Core Courses in the Sciences and Foreign Language

2 of the following: PHYS 221, PHYS 222, or PHYS 223  
 LATN 101 Elementary Latin and LATN 102 Intermediate Latin

### Elective Major Courses (four required)

MATH 201 History of Mathematics  
 MATH 231 Mathematical Statistics and Design of Experiments  
 MATH 252 Ordinary Differential Equations  
 MATH 311 Linear Structures  
 MATH 312 Number Theory  
 MATH 350 Real Analysis  
 MATH 351 Complex Analysis  
 MATH 352 Partial Differential Equations  
 MATH 360 Differential Geometry  
 MATH 361 Geometric Topology  
 MATH 491 Undergraduate Research

Note: Students double-majoring in Mathematics and Economics may select at most two of the following courses as part of their mathematics electives:

ECON 403 Introduction to Econometrics  
 MATH 231 Mathematical Statistics and Design of Experiments  
 STAT 230 Applied Statistics

## Minor in Mathematics

The mathematics minor program consists of a total of at least six courses in mathematics.

MATH 150 counts as one of the six, whereas MATH 110, or MATH 120 do not.

## Course Descriptions

### MATH 110 COLLEGE ALGEBRA

A survey of equations involving linear, quadratic, polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. (4 credits)

### MATH 120 FINITE MATHEMATICS

Application of quantitative tools as an aid to problem solving in a variety of areas. Topics include solution techniques for systems of linear equations and inequalities, basic principles of probability and statistics, elementary finance, Markov chains, matrices, and more. (4 credits)

### MATH 150 FUNCTIONS

A survey of the fundamental mathematical functions and their applications including the linear, absolute value, polynomial, rational, exponential, logarithmic, and trigonometric functions. Prerequisite: MATH 110 or placement. (4 credits)

### MATH 151 CALCULUS I

Differential and elementary integral calculus of functions of one variable. Topics include limits, continuity, derivatives, linear approximation, the Fundamental Theorem of Calculus, and elementary techniques of integration. Prerequisite: MATH 150 or placement. (4 credits)

### MATH 201 HISTORY OF MATHEMATICS

The history of mathematics from its origins to the present with an emphasis on significant problems and their solutions. Prerequisite: MATH 151 or permission of instructor. (4 credits)

### MATH 231 MATHEMATICAL STATISTICS AND DESIGN OF EXPERIMENTS

This course provides students in mathematics, the sciences, and other fields with a mathematically rigorous introduction to elementary topics in statistics. Specific topics include: probability and random variables, statistical inferences (estimation, testing, hypotheses, nonparametric methods, multiple regressions, variance), fundamental principles of experiment design. Both classical and Bayesian statistical methods are considered. Computer exercises will be used to illustrate the material. Pre-requisite MATH 151. (4 credits)

### MATH 250 CALCULUS II

Continuation and extension of Calculus I. Topics include more advanced integration techniques, improper integrals, sequences, series, Taylor series, functions of several variables, partial derivatives, multiple integration. Prerequisite: MATH 151. Offered Spring Semester. (4 credits)

### MATH 251 VECTOR CALCULUS

Calculus of functions in several variables. Topics include the geometry of Euclidean space, vector algebra, forms, matrices, vector-valued functions, the Inverse and Implicit Function Theorems, line and surface integrals, differential forms, and the theorems of Green, Gauss, and Stokes. Applications to physics. Prerequisite: MATH 250. Offered Fall Semester. (4 credits)

**MATH 252 ORDINARY DIFFERENTIAL EQUATIONS**

An introduction to the theory of ordinary differential equations with an emphasis on methods of solution. Topics include first-order equations, existence and uniqueness, linear equations, equations with constant coefficients, variation of parameters, Laplace transforms, series solutions, systems of equations, numerical methods. Prerequisite: MATH 250. (4 credits)

**MATH 270 SCIENTIFIC PROGRAMMING**

An introduction to programming via the solution of various problems in mathematics and the sciences. Problem description, development of a model, creation and implementation of a computational method of solution, and assessment of results. Prerequisite: MATH 151. Offered Spring Semester. (4 credits)

**MATH 310 ALGEBRAIC STRUCTURES**

An introduction to abstract algebra. Topics include groups, subgroups, quotient groups, homomorphisms, rings, ideals, fields. Emphasis on constructing, writing, and presenting proofs. Prerequisite: MATH 251. (4 credits)

**MATH 311 LINEAR STRUCTURES**

A study of abstract linear algebra. Topics include vector spaces, linear transformations, matrices, eigenvalues, canonical forms, inner product spaces, the Spectral Theorem. Prerequisite: MATH 251. (4 credits)

**MATH 312 NUMBER THEORY**

A study of the basic properties of the integers including divisibility, primes and their distribution, unique factorization, the Euclidean algorithm, congruences, primitive roots, arithmetic functions, quadratic reciprocity, Diophantine equations, and other topics. Prerequisite: MATH 251. (4 credits)

**MATH 330 PROBABILITY**

An introduction to probability theory. Topics include sample spaces, discrete and continuous random variables, density functions, conditional probability, probability distributions, and the Central Limit Theorem. Prerequisite: MATH 250. (4 credits)

**MATH 350 REAL ANALYSIS**

A rigorous study of the theoretical structure of calculus including the real numbers, metric spaces, limits, continuity, differentiation, integration, the Fundamental Theorem of Calculus, infinite series, and power series. Prerequisite: MATH 310 or MATH 311. (4 credits)

**MATH 351 COMPLEX ANALYSIS**

An introduction to the study of functions of a complex variable. Topics include the complex numbers, analytic functions, the elementary functions, complex integration, Taylor and Laurent series, residues, conformal mapping, and applications. Prerequisite: MATH 251. (4 credits)

**MATH 352 PARTIAL DIFFERENTIAL EQUATIONS**

An introduction to second-order partial differential equations in two variables. Topics include wave motion and Fourier series, heat flow and the Fourier integral, Laplace's equation and complex variables, second-order equations in more than two variables, spherical harmonics, and associated special functions of mathematical physics. Prerequisite: MATH 252. (4 credits)

**MATH 360 DIFFERENTIAL GEOMETRY**

A classical treatment of the differential geometry of curves and surfaces in three-dimensional space. Topics include: Frenet frames, the local theory of parameterized curves, regular surfaces, tangent planes, first and second fundamental forms, the Gauss map, parallel transport and the Gauss-Bonnet Theorem. Prerequisite: MATH 251. (4 credits)



#### MATH 361 GEOMETRIC TOPOLOGY

An easy introduction to the geometry and topology of knots, links, surfaces, and three-dimensional manifolds. Topics may include: The shape of the universe, spaces of various dimensions, topological and geometrical equivalence, orientability, Euler characteristic, the classification of surfaces, products of spaces, euclidean and non-Euclidean geometries, Reidemeister moves, colorings, Alexander and Jones polynomials. Prerequisite: MATH 310 or MATH 311. (4 credits)

#### MATH 415 SPECIAL TOPICS IN MATHEMATICS

This course is designed to accommodate advanced students who have a particular interest in areas not covered in the regular curriculum. It may be taught as a directed independent study or as a seminar, depending on enrollment. Prerequisites vary with topic. (4 credits)

#### MATH 490 SENIOR SEMINAR

Student presentations of selected mathematical problems and directed readings. Senior status required. Offered Fall Semester. (4 credits)

#### MATH 491 UNDERGRADUATE RESEARCH

Student-Faculty collaboration on research projects of mutual interest. Permission of the department required. (4 credits)

## Typical Plan—Mathematics (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 151 Calculus I                | 4              | MATH 250 Calculus II                | 4              |
| COMP 101 Composition               | 4              | MATH 270 Scientific Programming     | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| LATN 101 Elementary Latin          | 4              | LATN 102 Intermediate Latin         | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>                | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|-------------------------------------|----------------|-------------------------------------|----------------|
| PHIL 205 Nature and Person          | 4              | PHIL 206 Ethics                     | 4              |
| THEO 105 Sacred Scripture           | 4              | THEO 205 Sacred Doctrine            | 4              |
| PHYS 221 University Phys: Mechanics | 4              | PHYS 222 University Phys: Materials | 4              |
| MATH 251 Vector Calculus            | 4              | Math Elective                       | 4              |
| Total                               | 16             | Total                               | 16             |

### Junior Year

| <u>Fall Semester</u> | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|----------------------|----------------|--------------------------------|----------------|
| MATH 310 or MATH 311 | 4              | POLT 203 American Civilization | 4              |
| Math Elective        | 4              | MATH 330 Probability           | 4              |
| General Elective     | 4              | Math Elective                  | 4              |
| General Elective     | 4              | General Elective               | 4              |
| Total                | 16             | Total                          | 16             |

### Senior Year

| <u>Fall Semester</u>    | <u>Credits</u> | <u>Spring Semester</u>    | <u>Credits</u> |
|-------------------------|----------------|---------------------------|----------------|
| MATH 490 Senior Seminar | 4              | THEO 400 Living in Christ | 4              |
| Math Elective           | 4              | General Elective          | 4              |
| General Elective        | 4              | General Elective          | 4              |
| General Elective        | 4              | General Elective          | 4              |
| Total                   | 16             | Total                     | 16             |

# Music

Chair: Dr. Helen Tintes, Associate Professor of Music

The Department of Music provides a course of study in music within the liberal arts framework. By teaching music as a liberal art, the department appeals to an ancient tradition that places music among the most important disciplines for forming the intellect. To this end, our program pursues the acquisition of practical skills along with a rigorous intellectual formation in musical thought. The curriculum serves this end by focusing on three principal areas of musical discipline: applied music study (lessons on the major instrument, voice, or composition), music theory, and music history. The first three years of the major focus on these three areas of competency. In the third and fourth years of study, students begin to focus on their areas of interest or specialization.

## Student Learning Goals and Outcomes for the Major in Music

Goal 1: Students completing the Major in Music will achieve a level of competency in the areas of applied music, music theory, and music history and culture.

Outcome 1: Students will achieve performance experience and repertoire exposure commensurate with the Bachelor of Arts framework by means of individual and ensemble instruction.

Outcome 2: Students will demonstrate a foundational grasp of the elements, structures, and theoretical frameworks of classical music, along with practical training in the aural and performative aspects of musical phenomena.

Outcome 3: Students will demonstrate knowledge of the development of musical style and its contemporaneous intersection with the broader currents of culture, society, philosophy, and religion.

## Admission

Admission to the Department of Music is dependent upon the successful completion of an audition in piano, organ, or voice. On-site auditions are highly recommended and should be scheduled through the Music Department.

## Applied Music

The doorway to a life in music is almost universally opened by the study of a musical instrument, singing or composition. The development of each student's individual performance capabilities is central to the development of the complete musician. Applied music study provides the context in which music students can actualize both the affective and intellectual faculties of their musical personalities.

While individual development is crucial to the formation of every musician, collaborative experience with others is the forum where musicianship is most intensely refined. The choral program is the Music Department's most visible presence in the University community, and a proud ambassador of the University's academic and spiritual values.

## Music Theory

The theoretical training offered by the music curriculum is designed to provide the intellectual and affective skills not only to inform the students' approach to performance, but also to allow them to handle the raw materials of music with a view toward composition. Since the Middle Ages, the creation of music has been seen as both a mathematical and linguistic act, wedding

the cerebral and visceral capacities of man into a beautiful, unified event. In pursuit of this ideal, the instruction in harmony and counterpoint avoids the encyclopedic approach, seeking rather the understanding of the elements of music in themselves. The goal of the department's theoretical preparation is the free exercise of musical imagination within the tradition of Western music.

## Music History

The Music History sequence seeks to develop a sense of cultural history in general, as well as a detailed knowledge of the development of musical style through the ages. Insofar as the Music Theory sequence fosters the craft of musical composition, the historical survey provides the music student with a grasp of the organic contingency that exists among the various periods and styles of music. By studying the history of Western music, the twenty-first-century musician finds language to articulate his own musical identity and the context in which to receive and promote the gift of our musical heritage.

## Class Piano

Familiarity with the keyboard is an important portal into the theoretical framework on which Western music is based. Moreover, the practical advantages of keyboard fluency for all students are widely acknowledged by the masters. In view of this, the major in music includes a meta-curricular component in which keyboard skills are cultivated both in classroom instruction and through non-curricular requirements during the four-year course of study in the major.

## Required Courses for the Major

MUSC 104 Music Theory I  
 MUSC 105 Music Theory II  
 MUSC 106 Aural Skills I  
 MUSC 107 Aural Skills II  
 MUSC 108 Class Piano I  
 MUSC 109 Class Piano II  
 MUSC 111-114 Applied Voice, Organ, Piano, or Composition (8 credits required)  
 MUSC 204 Music Theory III  
 MUSC 205 Music Theory IV  
 MUSC 206 Aural Skills III  
 MUSC 207 Aural Skills IV  
 MUSC 208 Class Piano III  
 MUSC 209 Class Piano IV  
 MUSC 312 Survey of Western Music History I  
 MUSC 313 Survey of Western Music History II  
 MUSC 440 Senior Recital or MUSC 441 Senior Project

6 credits of mixed ensemble (MUSC 200/MUSC 300 or MUSC 410). Placement by audition. Note that access to subsidized applied music fees for majors and minors for a given semester requires participation in a mixed ensemble as determined by the department.

## Non-Curricular Requirements

Studio Classes  
 Recital Attendance

## Minor In Music

A minor in music gives non-music majors an opportunity to develop a sub-specialty within the liberal arts landscape. The minor in music will develop performance skills, along with the theoretical and historical knowledge related to the field of music. Music studies will further prepare the student to participate in the cultural life of Christian civilization, both as a practitioner and as an advocate for musical art.

MUSC 104 Music Theory I

MUSC 105 Music Theory II

MUSC 106 Aural Skills I

MUSC 107 Aural Skills II

MUSC 108 Class Piano I

MUSC 109 Class Piano II

MUSC 111-114 Applied Voice, Organ, Piano, or Composition (2 credits required)

MUSC 312 Survey of Western Music History I

MUSC 313 Survey of Western Music History II

Any music elective (2 credits required)

Recommended: MUSC 430 Conducting

MUSC 200/300 Ave Maria University Choir

## Sacred Music Concentration

The Department of Music offers its students an elective concentration in Sacred Music, which emphasizes the preservation, cultivation, and exploration of the Catholic Church's heritage of sacred and liturgical music. In addition to supplying a broader view of musical practice, the sacred music concentration richly supplements the skill set required for positions of musical leadership in the Catholic Church.

## Requirements for the Concentration in Sacred Music

MUSC 101M Men's Schola Gregoriana or 101W Women's Schola Gregoriana

MUSC 305 Heritage of Sacred Music

MUSC 420 Gregorian Chant

MUSC 430-431 Conducting

## Course Descriptions

Fees apply for applied music courses.

### MUSC 101 GREGORIAN CHANT IN LITURGY AND HISTORY

An introduction to the history, notation, theory, repertoire, and liturgical place of Gregorian chant. Prerequisite: None, no audition required. (1 credit)

### MUSC 101M MEN'S SCHOLA GREGORIANA

Performance Ensemble, 1 rehearsal hour/week and expected regular liturgical obligations. Men's Gregorian chant choir. Leads the congregation in chanting the Ordinary and sings the Proper chants of the liturgical day. Prerequisite: Must be able to sing in tune. Admission by simple audition. (0-1 credit)

**MUSC 101W WOMEN'S SCHOLA GREGORIANA**

Performance Ensemble, 1 rehearsal hour/week and expected regular liturgical obligations. Women's Gregorian chant choir. Leads the congregation in chanting the Ordinary and sings the Proper chants of the liturgical day. Prerequisite: Must be able to sing in tune. Admission by simple audition. (0-1 credit)

**MUSC 102 BEGINNING VOICE CLASS**

This course is designed to help students acquire basic vocal skills and knowledge of the anatomy of the human voice. In addition, students will learn to produce a functionally healthy sound and be taught basic musicianship skills. (1 credit)

**MUSC 104 MUSIC THEORY I**

Lecture, 4 hours. Development of music writing and listening skills through the study of music fundamentals, species counterpoint, harmony, and analysis of repertoire. Prerequisite: None for majors and minors. Admission by diagnostic test at the beginning of the Fall semester for new music students; MUSC 106 and MUSC 108 taken concurrently. (3 credits)

**MUSC 105 MUSIC THEORY II**

Lecture, 4 hours. Development of music writing and listening skills through the study of music fundamentals, species counterpoint, harmony, and analysis of repertoire. Prerequisites: MUSC 104; MUSC 107 and MUSC 109 taken concurrently. (3 credits)

**MUSC 106 AURAL SKILLS I**

Lecture/Laboratory, 4 hours. Melodic, rhythmic and harmonic materials of Western music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictation, and listening analysis. Prerequisites: MUSC 104 and MUSC 108 taken concurrently or permission of instructor. (1 credit)

**MUSC 107 AURAL SKILLS II**

Lecture/Laboratory, 4 hours. Continuation of MUSC 106 Melodic, rhythmic and harmonic materials of Western music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictation, and listening analysis. Prerequisites: completion of MUSC 106; MUSC 105 and MUSC 108 taken concurrently or permission of instructor. (1 credit)

**MUSC 108 CLASS PIANO I**

This class provides a complete orientation to the keyboard skills including scales and simple harmonic progressions in all keys, both major and minor, and elementary piano repertoire, and intended for students with no-to basic piano proficiency. (0.5 credits)

**MUSC 109 CLASS PIANO II**

This course is a continuation of the skills acquired in MUSC 108, designed to develop keyboard and musicianship skills, scale and arpeggio playing, sight-reading, transposing simple melodies, ensemble playing, accompanying, and late elementary to early intermediate piano repertoire. Prerequisite: MUSC 108. (0.5 credits)

**MUSC 111 APPLIED VOICE**

Performance/Private Lesson, 1 half-hour or hour lesson weekly (length dependent upon whether student is a major or minor/non-major). Development of skills and musicianship through the study of vocal technique and literature. Prerequisite: Audition and permission of instructor. (1 credit). May repeat for credit. A laboratory fee is assessed for this course for each student. Fees are subject to change; a fee schedule is published annually. (0.5-1 credits)

**MUSC 112 APPLIED ORGAN**

Performance/Private Lesson, 1 hour lesson weekly. Development of skills and musicianship through the study of organ technique and literature. Includes instruction in hymn playing and accompaniment. Prerequisite: Audition and permission of instructor. (1 credit). May repeat for credit. A laboratory fee is assessed for this course. Fees are subject to change; a fee schedule is published annually. (0.5-1 credits)

**MUSC 113 APPLIED PIANO**

Performance/Private Lesson 1 hour lesson weekly. Development of skills and musicianship through the study of piano technique and literature. Prerequisites: Audition and permission of instructor. (1 credit). May repeat for credit. A laboratory fee is assessed for this course for each student. Fees are subject to change; a fee schedule is published annually. (0.5-1 credits)

**MUSC 114 APPLIED COMPOSITION**

Private Lesson, 1 hour lesson weekly. Development of skills and musicianship through the study of compositional technique and literature. Prerequisite: Permission of instructor (1 credit). May be repeated for credit. A laboratory fee is assessed for this course for each student. Fees are subject to change; a fee schedule is published annually. (0.5-1 credits)

**MUSC 200/300 AVE MARIA UNIVERSITY CHOIR**

Performance Ensemble, 2 hours. This ensemble provides students with the fundamentals of artistic choral ensemble singing as well as the development of vocal and choral skills. Repertoire may include (but is not limited to) Gregorian chant, sacred polyphony, large choral works, Mass settings, hymns, cantatas, motets, anthems, secular works, etc. May repeat for credit. Prerequisite: Open to all students by audition. (1 credit)

**MUSC 201 INTRODUCTION TO MUSIC**

A course for non-music majors that explores music as one of the fine arts and as an integral part of liberal arts studies. The course will increase students' enjoyment and understanding of music. Students will approach music as both an intellectual and emotional activity and will gain knowledge of the elements of music theory, history and performance. (2 credits)

**MUSC 204 MUSIC THEORY III**

Lecture, 4 hours. Musical form and analysis of the Baroque and Classical Eras: Principles of eighteenth-century counterpoint, harmony and Classical styles. Completes the study of Common Practice Period Harmony. Compositions in prescribed styles. Prerequisites: MUSC 104 and MUSC 105; MUSC 206 and MUSC 208 taken concurrently. (4 credits)

**MUSC 205 MUSIC THEORY IV**

Lecture, 4 hours. Musical form and analysis of the Romantic and Modern Eras. Continuation of MUSC 204. Compositions in prescribed styles. Prerequisites: MUSC 204; MUSC 207 and MUSC 209 taken concurrently. (4 credits)

**MUSC 206 AURAL SKILLS III**

Lecture/Laboratory, 4 hours. Continuation of aural development based in the melodic, rhythmic and harmonic materials of Western Music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictation, and listening analysis. Emphasis is placed on chromatic deviations and other material coordinated with the content of MUSC 204. Prerequisites: MUSC 104, MUSC 105, MUSC 106, MUSC 107, MUSC 108, MUSC 109; MUSC 204 and MUSC 207 are taken concurrently or by permission of instructor. (1 credit)

**MUSC 207 AURAL SKILLS IV**

Lecture/Laboratory, 4 hours. Continuation of aural development based in the melodic, rhythmic and harmonic materials of Western Music. Includes sight singing, explanations, drills, melodic/rhythmic/harmonic dictation, and listening analysis. Emphasis is placed on chromatic deviations and other material coordinated with the content of MUSC 205. Prerequisites:

MUSC 104, MUSC 105, MUSC 106, MUSC 107, MUSC 108, MUSC 109, and MUSC 204; MUSC 205 is taken concurrently or by permission of instructor. (1 credit)

#### MUSC 208 CLASS PIANO III

This course is designed to broaden the technical, practical, and musical skills including transposing simple pieces to a variety of keys, realizing figured bass, accompanying and improvising simple melodies and accompaniments. Prerequisites: MUSC 108 and MUSC 109. (0.5 credits)

#### MUSC 209 CLASS PIANO IV

This course is a continuation of the skills acquired in MUSC 208, designed to provide a more advanced level of keyboard instruction, including advanced harmonization, 9th/11th/13th chords with its variations, repertoire from Romantic/Impressionistic/Contemporary eras, and memorization of selected compositions. Prerequisites: MUSC 108, MUSC 109, MUSC 208 (0.5 credits)

#### MUSC 212 LYRIC DICTION

Students will learn familiarity and fluency in the use of IPA (International Phonetic Alphabet) in order to achieve clarity, accuracy and expressiveness in singing and coaching singers (pianists). Ability to use IPA for transcription of texts in Latin, Italian, English, German, French and Spanish. The goal is proficiency in clear and efficient articulation of vowels and consonants and familiarity with basic pronunciation rules in European languages. (2 credits)

#### MUSC 304 ADVANCED ANALYSIS AND COMPOSITION

Musical form and analysis of the Baroque and Classical Eras: Principles of eighteenth-century counterpoint, harmony and Classical styles. Completes the study of common practice period harmony. Compositions in prescribed styles. Prerequisites: MUSC 104, MUSC 105. (4 credits)

#### MUSC 305 HERITAGE OF SACRED MUSIC

Lecture, 3 hours. An historical survey of music in Latin Rite Catholic liturgical music from the early Church to the present day. Different genres, styles, forms, and practices of chant, hymnody, polyphony, and instrumental music are studied in relation to theological and liturgical developments, and in relation to Church documents from the Patristic era to the present. (4 credits)

#### MUSC 307 OPERA MUSIC THEATER WORKSHOP

Performance Ensembler, 1 hour. Addresses all aspects of opera and music theater production with a focus on music preparation, character study and performance. Students typically perform in at least two evenings of opera and/or scenes during the semester. (1 credit)

#### MUSC 312 SURVEY OF WESTERN MUSIC HISTORY I

Lecture, 4 hours. History of Western music from plainchant through the Baroque period. Prerequisite: MUSC 205. (4 credits)

#### MUSC 313 SURVEY OF WESTERN MUSIC HISTORY II

Lecture, 4 hours. History of Western music from the Classical period through the Modern Era. Prerequisite: MUSC 312. (4 credits)

#### MUSC 403 MUSIC IN SHAKESPEARE'S ENGLAND

Lecture, 4 hours. Acknowledged by many to be the "Golden Age" of English music and poetry, the reigns of the Tudors and the early Stuarts will be the focus of this course. The tapestry of musical genres to be studied will include English popular



song, madrigals, lute songs, keyboard music, instrumental ensemble music, anthems, motets, and Masses. These will be examined as part of the dramatic panorama of English history surrounding Shakespeare's life. (4 credits)

#### MUSC 405 MOZART'S OPERAS

Lecture, 4 hours. The major operas of Wolfgang Amadeus Mozart will be studied from several perspectives: musical, dramatic, historical, and cultural. What makes Mozart's operas great? How did he achieve the superb character delineations that make *The Abduction from the Seraglio*, *The Marriage of Figaro*, *Don Giovanni*, *Così fan tutte*, and *The Magic Flute* ever popular masterpieces of the highest order? (4 credits)

#### MUSC 410 CHAMBER CHOIR

Performance Ensemble, 1 hour. Competitive ensemble that focuses on the development of ensemble vocal skills, stylistic sensitivity, and musicianship through the study of challenging choral literature. Course taken concurrently with MUSC 411. Prerequisite: Audition. May repeat for credit. (1 credit)

#### MUSC 411 COLLEGIUM MUSICUM

Performance Ensemble, 1 hour. Competitive ensemble course, taken concurrently with MUSC 410 Chamber Choir. Students are coached to perform vocal repertoire in ensemble, on a one-per-part basis, and without conductor. This will include works from various eras and emphasize the development of musical autonomy in performance contexts. Prerequisite: Admittance to MUSC 410 Chamber Choir. May repeat for credit. (1 credit).

#### MUSC 415 SPECIAL TOPICS

Topics may include: Choral Writing; Composition of a Major Work; Music of a Major Composer; Advanced Music Theory; Advanced Gregorian Chant; Orchestration. Prerequisites: MUSC 205, MUSC 313 and permission of instructor. (1-4 credits)

#### MUSC 420 GREGORIAN CHANT

Lecture/Laboratory, 2 hours. Notation, forms, history, modes, and liturgical uses of Gregorian chant. MUSC 101M or 101W (Men's or Women's Schola Gregoriana) must be taken concurrently. Prerequisite: MUSC 105 or permission of instructor. (2 credits)

#### MUSC 430-431 CONDUCTING

Lecture/Laboratory, 2 hours. A practical introduction to the discipline of conducting with an emphasis on gesture and the integration of musicianship, artistry, and leadership on the podium. A detailed investigation of the battery of skills required of a conductor will comprise a major portion of this course. Students will study and conduct repertoire from both the choral and instrumental genres. Prerequisite: MUSC 205. Enrollment in MUSC 200, MUSC 300 or MUSC 410 concurrently. (2 credits)

#### MUSC 440 SENIOR RECITAL

Senior Capstone. Directed independent study. Select musical literature for and prepare a full solo recital of a minimum of 40 minutes duration or half solo recital of a minimum of 20 minutes duration on the student's principal instrument. Prepare written program with program notes. Prerequisite: Students must obtain permission of Applied Music instructor and apply to the faculty for capstone approval. (2-4 credits)

#### MUSC 441 SENIOR PROJECT

Senior Capstone. Prepare an in-depth research paper on musical topic of choice or complete a supervised compositional project. Prerequisite: Students must obtain permission of sponsoring instructor and apply to the faculty for capstone approval. (4 credits)

#### MUSC 442 LECTURE-RECITAL

Senior Capstone. This capstone project combines elements of both public recital performance and a thesis preparation. The public presentation of this project should demonstrate performance mastery of at least 15 minutes of music as well as an oral presentation that elucidates some aspect of the music performed for an audience of informed scholars and professors.

Prerequisite: Students must obtain permission of sponsoring instructor and apply to the faculty for capstone approval. (4 credits)

#### MUSC 499 DIRECTED INDEPENDENT STUDY

Topics may include: Choral Writing; Composition of a Major Work; Music of a Major Composer; Advanced Music Theory; Advanced Gregorian Chant; Orchestration. If enough students are interested in the same topic in a given semester, the course may become MUSC 415. Prerequisites: MUSC 205, MUSC 313 and permission of instructor. (1-2 credits)

## Typical Plan—Music (B.A.)

### Freshman Year

| Fall Semester                   | Credits | Spring Semester                     | Credits |
|---------------------------------|---------|-------------------------------------|---------|
| MUSC 108 Class Piano I          | 0.5     | MUSC 109 Class Piano II             | 0.5     |
| MUSC 200, 300, or 410 Mixed Ens | 1       | MUSC 200, 300, 410 Mixed Ens        | 1       |
| MUSC 111, 112, 113, or 114*     | 1       | MUSC 111, 112, 113, or 114*         | 1       |
| MUSC 104 Music Theory I         | 3       | MUSC 105 Music Theory II            | 3       |
| MUSC 106 Aural Skills I         | 1       | MUSC 107 Aural Skills II            | 1       |
| COMP 101 Composition            | 4       | CORE 102 Western Civ and Culture II | 4       |
| Elementary Language             | 4       | Intermediate Language               | 4       |
| MATH 110, 120, 150, or 151      | 4       | THEO 105 Sacred Scripture           | 4       |
| Total                           | 18.5    | Total                               | 18.5    |

### Sophomore Year

| Fall Semester                      | Credits | Spring Semester              | Credits |
|------------------------------------|---------|------------------------------|---------|
| MUSC 208 Class Piano III           | 0.5     | MUSC 209 Class Piano IV      | 0.5     |
| MUSC 200, 300, or 410 Mixed Ens    | 1       | MUSC 200, 300, 410 Mixed Ens | 1       |
| MUSC 111, 112, 113, or 114*        | 1       | MUSC 111, 112, 113, or 114*  | 1       |
| MUSC 204 Music Theory III          | 4       | MUSC 205 Music Theory IV     | 4       |
| MUSC 206 Aural Skills III          | 1       | MUSC 207 Aural Skills IV     | 1       |
| General Elective                   | 2       | Music or General Elective    | 2       |
| CORE 101 Western Civ and Culture I | 4       | PHIL 206 Ethics              | 4       |
| PHIL 205 Nature and Person         | 4       | THEO 205 Sacred Doctrine     | 4       |
| Total                              | 17.5    | Total                        | 17.5    |

### Junior Year

| Fall Semester                        | Credits | Spring Semester                       | Credits |
|--------------------------------------|---------|---------------------------------------|---------|
| MUSC 200, 300, or 410 Mixed Ens      | 1       | MUSC 200, 300, 410 Mixed Ens          | 1       |
| MUSC 111, 112, 113, or 114*          | 1       | MUSC 111, 112, 113, or 114*           | 1       |
| MUSC 312 Survey of West Music Hist I | 4       | MUSC 313 Survey of West Music Hist II | 4       |
| Music or General Elective            | 2       | [MUSC 305 Heritage of Sacred Music    | 4§]     |
| [MUSC 430 Conducting I               | 2§]     | [MUSC 431 Conducting II               | 2§]     |
| Science I with Lab                   | 4       | Science II with Lab                   | 4       |
| Music or General Elective            | 4       | Music or General Elective             | 2       |
| Total                                | 18      | Total                                 | 18      |

### Senior Year

| Fall Semester                   | Credits | Spring Semester                 | Credits |
|---------------------------------|---------|---------------------------------|---------|
| MUSC 200, 300, or 410 Mixed Ens | 1       | MUSC 200, 300, 410 Mixed Ens    | 1       |
| MUSC 111, 112, 113, or 114*     | 1       | MUSC 111, 112, 113, or 114*     | 1       |
| Music or General Elective       | 2       | Music or General Elective       | 4       |
| [MUSC 420 Gregorian Chant       | 2§]     | MUSC 440 Recital or 441 Project | 1       |
| [MUSC 101 M/W Schola            | 0§]     | [MUSC 101 M/W Schola            | 0§]     |
| POLT 203 American Civilization  | 4       | THEO 400 Living in Christ       | 4       |
| General Elective                | 4       | General Elective                | 2       |
| General Elective                | 4       | General Elective                | 4       |
| Total                           | 18      | Total                           | 17      |

\*Each course number in applied music is reserved for a particular concentration in piano, voice, organ, or composition.  
§ These courses constitute the requirements of the Concentration in Sacred Music.

# Nursing

Chair: Dr. Denise McNulty, DNP, MSN, RN-BC, ARNP, Nursing Program Director and Associate Professor of Nursing

The Bachelor of Science in Nursing (B.S.N.) degree is designed as a four-year nursing program. In the first two years, students in the pre-nursing track complete the Core Curriculum and pre-nursing science requirements and then apply to the Nursing Major. Upon successful admission to nursing, students spend years three and four taking almost exclusively nursing courses. Ave Maria University is approved by the Florida Board of Nursing to offer the B.S.N. degree.

## Student Learning Goals and Outcomes for the Major in Nursing

Goal 1: To develop students' communication skills in healthcare settings.

Outcome 1: Graduates will communicate effectively with all members of the healthcare team to promote health across the lifespan and to facilitate safe patient-centered transitions of care.

Goal 2: To develop students' critical thinking skills.

Outcome 2: Graduates will employ critical thinking behaviors and clinical judgment to optimize patient-centered outcomes.

Goal 3: To develop students' utilization of evidence-based nursing practice.

Outcome 3: Graduates will implement evidence-based nursing practice in the delivery and management of health across the lifespan.

Goal 4: To develop students' leadership skills.

Outcome 4: Graduates will utilize leadership skills to promote quality patient-centered care and achieve organizational outcomes.

Goal 5: To develop students' sense of responsibility and accountability.

Outcome 5: Graduates will assume responsibility and accountability for personal and professional behavior, ethical practice, and patient advocacy, especially for vulnerable populations.

Goal 6: To develop knowledge of emerging technologies in health care.

Outcome 6: Graduates will evaluate the impact of current and emerging technologies on the delivery of safe and quality health care.

## Limited Access Program

Nursing (B.S.N.) is a degree program that requires a supplemental application due to limited access. A Limited Access Program is one where both program admission and registration in program classes are restricted to a certain number of students meeting pre-determined criteria and maximum capacity is based on available resources. Not all applicants may be accepted. The University offers alternate, related degrees including Biology, Health Science, Exercise Physiology, and

Healthcare Management, which are not Limited Access Programs. Please refer to the Nursing Program website for program pre-requisites and application procedures.

## Admission

To be considered for acceptance into the four-year Bachelor of Science in Nursing program, the following is required:

- Prior admission to Ave Maria University
- A minimum overall GPA of 3.0 and completion of 48 credits (this is the minimum GPA, not a guarantee of admission - all applications will be reviewed and considered)
- All students, including transfers, must complete AMU freshman and sophomore Core Curriculum courses and nursing prerequisite courses prior to entrance to the Nursing Program
- Grade of C or greater for science courses (science courses must be completed before entrance to the program)
- Two letters of recommendation from college/university professors attesting to the applicant's attributes and strengths in pursuing a career in Nursing
- Submit an essay (300-500 words) which includes an introduction of the applicant, why the applicant wishes to pursue a career in Nursing, any healthcare experiences, and any community service work, passions, and accomplishments
- Interview with the Nursing Director
- Completion of Nursing Application
- Completion of Health and Regulatory Requirements

## Curriculum Rationale

The curriculum has been developed in a manner that addresses professional and content area competencies, that assessment methodologies are in place for B.S.N. candidates, and that pedagogical principles are embedded in the appropriate courses. The B.S.N. program is a total of 128 credits as described below.

The B.S.N. curriculum is based on Essentials of Baccalaureate Education for Professional Nursing Practice (American Association of Colleges of Nursing, 2008). Graduates of Ave Maria University's B.S.N. program will be equipped with the knowledge and leadership skills requisite to advance the profession and assist patients, families, and communities in the management of care. These concepts unify the curriculum and are the focus of each clinical course. Each course addresses the roles of the nurse, specifically the nurse as a member of the profession, provider of care and leader/manager of care. The curriculum incorporates professional standards such as the American Nurses Association (ANA) Code of Ethics, the Institute of Medicine Recommendations, the Joint Commission on Accreditation Standards, and Quality and Safety Education in Nursing (QSEN), to the extent that these are in conformity with Catholic biomedical principles and applications.

The concepts of critical thinking, evidence-based practice, communication, collaboration, professional leadership, cultural humility, professional values, and information technology are introduced in the first nursing course and emphasized throughout the curriculum. Nursing courses focus on enhancing the nursing students' critical thought process. Evidence-based nursing practice is introduced in the first nursing course and emphasized throughout the curriculum.

Students intending to major in Nursing will proceed through the full sequence of the Core Curriculum. The Nursing Program shares the ideals and aims of liberal education which permeate the entire University. The Core provides an indispensable foundation for the study of the nursing. The Nursing Program values the Core especially for providing a broad orientation to the unity of truth, the understanding of the human person as expressed in the Catholic intellectual tradition, and the just ordering of society as developed in Western Civilization. In addition, the collective coursework of the Core inculcates the skills and habits necessary for studies within the craft of nursing, such as critical thinking, evidence-based practice, communication, mathematical and scientific analysis, and above all, prudence.

## Nursing and Catholic Mission

The nursing program at Ave Maria University adheres to the *Charter for Health Care Workers* issued by the Pontifical Council for Pastoral Assistance to Health Care Workers (1995). The following excerpts express the mission of nursing within, first, the ecclesial mission of the care of the human person and, second, the requisite moral principles and applications:

1. The work of health care persons is a very valuable service to life. It expresses a profoundly human and Christian commitment, undertaken and carried out not only as a technical activity but also as one of dedication to and love of neighbor. It is “a form of Christian witness.”[1] “Their profession calls for them to be guardians and servants of human life” (*Evangelium Vitae* 89). Life is a primary and fundamental good of the human person. Caring for life, then, expresses, first and foremost, a truly human activity in defense of physical life.

It is to this that professional or voluntary health care workers devote their activity. These are doctors, nurses, hospital chaplains, men and women religious, administrators, voluntary care givers for those who suffer, those involved in the diagnosis, treatment and recovery of human health. The principal and symbolic expression of “taking care” is their vigilant and caring presence at the sickbed. It is here that medical and nursing activity expresses its lofty human and Christian value...

3. ...To speak of mission is to speak of vocation:[8] the response to a transcendent call which takes shape in the suffering and appealing countenance of the patient in his care. To care lovingly for a sick person is to fulfill a divine mission, which alone can motivate and sustain the most disinterested, available and faithful commitment, and gives it a priestly value.”[9] “When he presents the heart of his redemptive mission, Jesus says: ‘I came that they may have life, and have it abundantly’ (Jn 10:10). It is precisely in this ‘life’ that all the aspects and stages of human life achieve their full significance” (*Evangelium Vitae* 1). ...
5. ...the therapeutic ministry of health care workers is a sharing in the pastoral[21] and evangelizing[22] work of the Church. Service to life becomes a ministry of salvation, that is, a message that activates the redeeming love of Christ. “Doctors, nurses, other health care workers, voluntary assistants, are called to be the living image of Christ and of his Church in loving the sick and the suffering.”[23] witnesses of “the gospel of life.”[24]

Service to life is such only if it is faithful to the moral law, which expresses exigently its value and its tasks. Besides technico-professional competence, the health care worker has ethical responsibilities. “The ethical law, founded on respect for the dignity of the person and on the rights of the sick, should illuminate and govern both the research phase and the application of the findings.”[25] In fidelity to the moral law, the health care worker actuates his fidelity to the human person whose worth is guaranteed by the law, and to God, whose wisdom is expressed by the law.

6. He draws his behavioral directives from that field of normative ethics which nowadays is called bioethics. Here, with vigilant and careful attention, the magisterium of the Church has intervened, with reference to questions and disputes arising from the biomedical advances and from the changing cultural ethos. This bioethical magisterium is for the health care worker, Catholic or otherwise, a source of principles and norms of conduct which enlighten his conscience and direct him—especially in the complexity of modern bio-technical possibilities—in his choices, always respecting life and its dignity.
7. The continuous progress of medicine demands of the health care worker a thorough preparation and ongoing formation so as to ensure, also by personal studies, the required competence and fitting professional expertise. Side-by-side with this, they should be given a solid “ethico-religious formation,”[26] which “promotes in them an appreciation of human and Christian values and refines their moral conscience.” There is need “to develop in them an authentic faith and a true sense of morality, in a sincere search for a religious relationship with God, in whom all ideals of goodness and truth are based.”[27] “All health care workers should be taught morality and

bioethics.”[28] To achieve this, those responsible for their formation should endeavor to have chairs and courses in bioethics put in place. (no. 7)...

9. The sphere of action of health care workers consists, in general, of what is contained in the terms and concepts of health and medicine especially. The term and concept of health embraces all that pertains to prevention, diagnosis, treatment and rehabilitation for greater equilibrium and the physical, psychic and spiritual well-being of the person. The term and concept of medicine, on the other hand, refers to all that concerns health policy, legislation, programming and structures.[30]...

The meeting and the practical synthesis of the demands and duties arising from the concepts of health and medicine are the basis and way for humanizing medicine. This must be present both at the personal-professional level—the doctor-patient relationship—and at the socio-policy level so as to safeguard in institutional and technological structures the human-Christian interests in society and the institutional and technological infrastructures. The first but not without the second, since such humanization as well as being a love-charity task is “an obligation of justice.”[32] “[This humanization strengthens] the bases of the ‘civilization of life and love,’ without which the life of individuals and of society itself loses its most genuinely human quality” (Evangelium Vitae 27).

These excerpts from the *Charter for Health Care Workers* articulate the vision for nursing that is to inform the Program of Nursing at Ave Maria University. The Nursing Program should build upon the Christian understanding of the human person as taught in the Core Curriculum. It should highlight the care of the sick and suffering as a participation in the love of Christ. It should teach and reinforce principles and conclusions of Catholic biomedical ethics. It should promote the true health of the human person. It should foster dedication and excellence in the skills, knowledge, and habits necessary for the nursing profession. The nature of nursing as service to the life of the human person demands such dedication and excellence.

## Required Core Curriculum Courses

BIOL 304 Anatomy and Physiology I  
 BIOL 309 Anatomy and Physiology II  
 COMP 101 Composition  
 CORE 101 Western Civilization and Culture I  
 CORE 102 Western Civilization and Culture II  
 Foreign Language I  
 Foreign Language II  
 MATH 150 Functions or MATH 151 Calculus I  
 PHIL 205 Nature and Person  
 PHIL 206 Ethics  
 POLT 203 American Civilization  
 THEO 105 Sacred Scripture  
 THEO 205 Sacred Doctrine  
 THEO 390 Catholic Bioethics

## Required Pre-Requisite Courses

BIOL 200 Nutrition  
 BIOL 203 Introduction to Microbiology  
 CHEM 105 Chemistry for Health Sciences or equivalent



PSYC 301 Human Development and Learning

STAT 230 Applied Statistics

## Required Courses for the Major

NURS 210 Introduction to Nursing

NURS 220 Role Preparation

NURS 310 Fundamentals of Nursing (with laboratory)

NURS 315 Health Assessment (with laboratory)

NURS 330 Pathophysiology for Nursing Practice

NURS 340 Pharmacology for Nursing Practice I

NURS 345 Pharmacology for Nursing Practice II

NURS 350 Psychiatric-Mental Health Nursing (with clinical)

NURS 410 Older Adult and Community Health Nursing (with clinical)

NURS 415 Adult Health and Illness I (with clinical)

NURS 420 Nursing Care of Women (with clinical)

NURS 430 Nursing Care of Children (with clinical)

NURS 440 Adult Health and Illness II (with clinical)

NURS 450 Leadership and Management in Clinical Environments (with clinical and preceptorship)

NURS 460 Research for Evidence-Based Nursing Practice

## Course Descriptions

### NURS 210 INTRODUCTION TO NURSING

This course introduces the student to the Department of Nursing. As a learner-centered course, both originating from and focusing on the new student as learner and nursing student, this course will guide and encourage students in the development of adaptable and transferable skills and learning strategies for nursing as well to become life-long learners. Students are guided in a more comprehensive understanding of the nursing curriculum and provided with practical guidance regarding course planning and registration. Orientation to the world of clinical practice is provided including an understanding and navigation of nursing clinical requirements. The seminar will also explore the challenges of and rigor of a nursing program. This course also provides students with an introduction to professional nursing in today's contemporary health care environment. The development of the student's identity as a professional nurse is a focus of this course, as well as the therapeutic nurse-patient relationship, including the principles of therapeutic communication, and within the context of a safe patient care environment. Included is an orientation to the contemporary nursing issues and trends and nursing education for professional practice. (1 credit)

### NURS 220 ROLE PREPARATION

This course will focus on synthesizing nursing knowledge. Students will emphasize review of nursing knowledge in which HESI scores and individual HESI content areas will indicate a need for further study. This course is designed to prepare students for taking the NCLEX-RN examination by providing a comprehensive content review of nursing concepts presented in the nursing curriculum, introduction and explanation of the NCLEX-RN test plan/blueprint, and presentation of test-taking strategies specific to the NCLEX-RN examination. (1 credit)

### NURS 310 FUNDAMENTALS OF NURSING

This course will focus on the concepts, skills, and attitudes fundamental to professional nursing practice within a framework of clinical decision-making. The course will emphasize critical thinking, the establishment of the therapeutic nurse-patient relationship, and the development of the student's beginning comprehension of the patient's physiological and psychological

responses to health and illness. Students will have laboratory experiences in the Ave Maria University Nursing Learning Laboratory and clinical agencies where fundamental nursing skills can be practiced. (4 credits)

#### NURS 315 HEALTH ASSESSMENT

This course focuses on the assessment of health status and the development of interviewing and physical examination skills. It will begin with a discussion of optimal self-care behaviors and then focus on the principles of health promotion, disease prevention and health teaching. The use of therapeutic communication skills when performing health assessment and the assessment of cultural and socio-economic aspects of health will be emphasized. Students learn to critically evaluate assessment findings and differentiate between normal and alterations indicative of actual or potential health problems. Students have laboratory experiences in the Ave Maria University Nursing Learning Laboratory where health assessment skills can be practiced. (4 credits)

#### NURS 330 PATHOPHYSIOLOGY FOR NURSING PRACTICE

This course explores the mechanisms involved in the pathogenesis of body systems throughout the lifespan. Emphasis is on understanding pathophysiology as an alteration in normal physiological functioning of individuals and the presentation of selected pathophysiology and subsequent symptomatology in diverse individuals across the lifespan. The scientific approach will provide understanding of the mechanisms of disease as they are related to clinical decision-making for health promotion, risk reduction, and disease management. (3 credits)

#### NURS 340 PHARMACOLOGY FOR NURSING PRACTICE I

This course will cover the basic principles of pharmacology and drug therapy necessary for general nursing practice. Concepts of drug effectiveness, pharmacokinetics; mechanism of action, and drug interactions will be examined. In most cases, the emphasis will be on the pharmacological action of drugs on specific organ systems. Throughout the course, medications will be discussed in relation to their clinical use in the treatment of specific disease conditions. (3 credits)

#### NURS 345 PHARMACOLOGY FOR NURSING PRACTICE II

This course is a continuation of Pharmacology in Nursing Practice I covering additional basic principles of pharmacology and drug therapy necessary for general nursing practice. Concepts of drug effectiveness, pharmacokinetics, mechanism of action, and drug interactions will be examined. In most cases, the emphasis will be on the pharmacological action of drugs on specific organ systems. Throughout the course, medications will be discussed in relation to their clinical use in the treatment of specific disease conditions. (3 credits)

#### NURS 350 PSYCHIATRIC-MENTAL HEALTH NURSING

This course will focus on an introduction to theory and concepts of Psychiatric-Mental Health nursing. Emphasis is on the use of self in relationships with mental health consumers as well as professional nurse's role in working with the community as the client. The importance of the therapeutic nurse-patient relationship will provide the framework for exploring the factors, which contribute to stress, maladaptive behavior, and mental illness. Care will be delivered based on the psychiatric standards of nursing practice. The student will then explore the role of nurses in Psychiatric-Mental Health working collaboratively with the community as part of an interdisciplinary team. An introduction to conceptual frameworks that focus on mental health care is included in both the classroom and clinical portions of the course. Selected inpatient mental health settings, outpatient mental health settings, and community-based agencies will be utilized for clinical practice. (4 credits)

#### NURS 410 OLDER ADULT AND COMMUNITY HEALTH NURSING

This course will focus on the nursing management of older adults and an introduction to theory and concepts of community health nursing. Contemporary theories of gerontology, aging, physiological--psychological functioning, impact of developmental changes, illness, and dysfunction will be emphasized. The student will then explore the role of the community health nurse working collaboratively with the community as part of an interdisciplinary team, including the care of vulnerable

populations in the community. This course prepares students for active and responsible community participation as professional nurses. Student clinical experiences may be in retirement residences, home health agencies, transitional and long-term care facilities, adult day centers, acute care units, and other geriatric health agencies. (4 credits)

#### **NURS 415 ADULT HEALTH AND ILLNESS I**

This course will focus on the development of selected competencies for nursing care assessment and management of adults with common disease/illnesses. Risk reduction, recovery, and rehabilitation of patients with selected disease processes and common clinical problems are also addressed. Selected general medical- surgical settings and clinics will be utilized for clinical practice in the management of patients with perioperative considerations, alterations in pain control, fluid and electrolytes balance, cardiovascular, respiratory, endocrine, hematological, and immunological systems, gastrointestinal, renal, integumentary, neurological, musculoskeletal, male reproductive, and infectious disease systems. (4 credits)

#### **NURS 420 NURSING CARE OF WOMEN**

The course focus is on the development of competencies for safe and effective nursing care of women and maternal/newborn dyads. Emphasis is on the nurse's role in health assessment, health promotion, and promotion of adaptive processes for the women within the context of the family. Key concepts for social, cultural, economic, political, and ethical factors that affect health promotion, disease prevention, alterations in health and risk reduction for women and the childbearing family are examined. Selected obstetrics and women's care settings will be utilized for clinical practice. (4 credits)

#### **NURS 430 NURSING CARE OF CHILDREN**

The course focuses on the development of competencies for safe and effective nursing care of children. Emphasis is on the nurse's role in health assessment, health promotion, and promotion of adaptive processes for the child. Key concepts for social, cultural, economic, political, and ethical factors that affect health promotion, disease prevention, alterations in health and risk reduction for children are examined. Growth and development theory is also emphasized. Selected pediatric settings will be utilized for clinical practice. (4 credits)

#### **NURS 440 ADULT HEALTH AND ILLNESS II**

This course will focus on the assessment and management of adults with unstable and complex system alterations. This course builds on previously learned knowledge of natural and human sciences, health assessment, conceptual foundations of nursing practice and skills and technologies required to practice professional nursing. The opportunity is provided to apply the nursing process to the care of adult clients experiencing acute illness in a variety of adult health settings. The course will emphasize the assessment of functioning, adaptation, and recovery for patients with high acuity illnesses and clinical problems. Previously learned and advance nursing concepts reflecting the uniqueness of a person's health experience will be integrated to provide holistic nursing care to adult clients experiencing acute illness. (4 credits)

#### **NURS 450 LEADERSHIP AND MANAGEMENT IN CLINICAL ENVIRONMENTS**

This course will focus on the professional nurse's role in applying the principles of leadership and management in clinical environments. The role of the nurse leader and his/her influence on safe nursing practice will be explored. Barriers to practice, regulatory, legislative, and political processes in reference to professional practice will also be examined. The course will also emphasize nursing leadership roles and inter-professional collaboration in the development/application of technology to increase efficiency of health care services and improve patient outcomes. Students will have a preceptored nurse experience in a clinical setting (leadership preceptorship). (4 credits)

#### **NURS 460 RESEARCH FOR EVIDENCE-BASED NURSING PRACTICE**

This course will introduce the student to the theoretical and research bases on which practice is built. The course focuses on the use of both qualitative and quantitative research in nursing practice. Students will examine the knowledge that guides nursing interventions, evidence-based practice, outcomes research and critique published research reports. The importance

of reviewing the nursing literature in order to make informed practice decisions will be addressed. Ethical issues as they relate to research and practice will be discussed. (3 credits)

## Typical Plan—Nursing (B.S.N.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>                | <u>Credits</u> |
|------------------------------------|----------------|---------------------------------------|----------------|
| MATH 150 Functions                 | 4              | BIOL 203 Introduction to Microbiology | 4              |
| Elementary Foreign Language        | 4              | Intermediate Foreign Language         | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II   | 4              |
| COMP 101 Composition               | 4              | CHEM 105 or CHEM 125                  | 4              |
| Total                              | 16             | Total                                 | 16             |

### Sophomore Year

| <u>Fall Semester</u>              | <u>Credits</u> | <u>Spring Semester</u>             | <u>Credits</u> |
|-----------------------------------|----------------|------------------------------------|----------------|
| PHIL 205 Nature and Person        | 4              | POLT 203 American Civilization     | 4              |
| THEO 105 Sacred Scripture         | 4              | THEO 205 Sacred Doctrine           | 4              |
| STAT 230 Applied Statistics       | 4              | PSYC 301 Hum Development and Lrn   | 4              |
| BIOL 304 Anatomy and Physiology I | 4              | BIOL 309 Anatomy and Physiology II | 4              |
| BIOL 200 Nutrition                | 3              | NURS 210 Introduction to Nursing*  | 1              |
| Total                             | 19             | Total                              | 17             |

| <u>Summer Semester</u> | <u>Credits</u> |
|------------------------|----------------|
| General Elective       | 3              |
| Total                  | 3              |

### Junior Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|----------------------------------|----------------|-------------------------------------|----------------|
| NURS 310 Fundamentals of Nursing | 4              | NURS 410 Older Adult/Community      | 4              |
| NURS 330 Pathophysiology         | 3              | NURS 415 Adult Health and Illness I | 4              |
| NURS 340 Pharmacology I          | 3              | NURS 345 Pharmacology II            | 3              |
| NURS 315 Health Assessment       | 4              | PHIL 206 Ethics                     | 4              |
| Total                            | 14             | Total                               | 15             |

### Senior Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>             | <u>Credits</u> |
|------------------------------------|----------------|------------------------------------|----------------|
| NURS 220 Role Preparation          | 1              | THEO 390 Catholic Bioethics        | 4              |
| NURS 350 Psychiatric-Mental Health | 4              | NURS 430 Nursing Care of Children  | 4              |
| NURS 420 Nursing Care of Women     | 4              | NURS 450 Leadership and Management | 4              |
| NURS 440 Adult Health/Illness II   | 4              | NURS 460 Research Evidence-Based   | 3              |
| Total                              | 13             | Total                              | 15             |

\*Students must apply and be admitted to the nursing program before enrolling in NURS 210. This course is offered in the second half of the Spring semester.

# Philosophy

Chair: Dr. Maria Fedoryka, Associate Professor of Philosophy

Philosophy at Ave Maria University is understood according to its original meaning as the love and pursuit of wisdom, viz. *philosophia*. It is deeply rooted in man's desire to know himself, his place in the universe, and answer the question of life's ultimate meaning. Who am I? Where did I come from? Where am I going? How must I live? What is the meaning and significance of the world around me? Who made all this, and why? Beginning in awe and wonder, philosophy tries to find answers to these questions and to articulate them in a systematic and rigorous way.

In accord with its sapiential character, the philosophy program is deeply committed to having a "genuinely metaphysical range" (*Fides et Ratio* 83). Philosophy's most proper object is being itself, in its rich dimensions of existence, intelligibility, goodness, and beauty. Philosophy can and must transcend the realm of the particular and empirical in order to reach what is universal and absolute. This central characteristic and task of philosophy will be evident in all philosophy courses taught at Ave Maria. Thus, students will learn in many different contexts how to discern the one in the many, and trace back the many to the one. Among other things, this will enable the Philosophy Program and its students to make a significant contribution towards the proper integration of knowledge that is at the heart of any liberal arts education.

The Philosophy Program recognizes that the search for wisdom is an ongoing and communal enterprise. It not only requires serious dialogue with contemporary thinkers, but also with those of the past. The ancient philosophers, especially Plato and Aristotle, to whom the Western philosophical tradition owes so much, will be closely studied. Then there is the deep and rich tradition of exemplary Christian thinkers, such as Augustine, Anselm, Aquinas, Bonaventure, Scotus, Suarez, Newman, Maritain, Edith Stein and Karol Wojtyla. Professors and students of philosophy at the University seek to think in continuity with that great Christian tradition, studying it closely and taking guidance from its profound impulse and insights. The important thinkers with whom they are more likely to have serious disagreements, such as Epicurus, Spinoza, Hume, Kant, Nietzsche and Sartre, will not be neglected. And, as opportunity allows, the contributions of Jewish, Islamic, and non-Western philosophers will also be examined.

Important as it is to study the works of other thinkers, it should be stressed, as Aquinas saw so clearly, that the point of studying philosophy is not to learn what others have thought about being, but to learn the truth of being. ("*Ne respicias a quo sed quod dicitur.*") Students of philosophy at Ave Maria University will learn that, in the final analysis, the philosophical act is a disciplined 'seeing for oneself' the truth about being. In this way, it is hoped, they will become full participants in the great debates of our time, and not merely spectators of them.

The Philosophy Program also recognizes the strong and intimate relation between the disciplines of philosophy and theology. God is the supreme and privileged object of philosophical speculation, and much about his being and nature can be attained by philosophy's own method. But unaided human reason comes to its limits in its knowledge of the nature of God and His acts, and here passes into the service of the reflection on revealed truth. Philosophy both acts as a propaedeutic to the faith, and also provides a foundation presupposed for the clarification and analysis carried out by theology of the truths revealed by God. On the other hand, philosophy itself is also clarified and developed by engaging revelation philosophically. In this activity, philosophers are "working on their own terrain and with their own purely rational method, yet extending their research to new aspects of truth." (*Fides et Ratio* 76) Aware of the Church's custodianship of the truths of revelation, philosophy at the University understands the organic relationship in which it stands to the Church's Magisterium.

## Student Learning Goals and Outcomes for the Major in Philosophy

Goal 1: Students will cultivate and develop intellectual habits.

Outcome 1: Students will demonstrate the ability to approach reality, reason, systematize, and read philosophically.

Goal 2: Students will develop competence in the philosophy of being.

Outcome 2: Students will evidence the ability to distinguish the nature and meaning of human existence.

Outcome 3: Students will evidence the ability to distinguish the primary causes of reality, namely nature, man, the intelligences, and God.

Goal 3: Students will achieve competence in the philosophy of mind.

Outcome 4: Students will be able to identify the principles of philosophical reasoning.

Outcome 5: Students will be able to verify the human capacity to know the truth.

Goal 4: Students will achieve competence in the History of Western Philosophy, viz. ancient, medieval, and modern and contemporary philosophy.

Outcome 6: Students will have the ability to describe and contrast the major events in the development of philosophy, as well as the significant characteristics and proponents of the various historical eras.

Goal 5: Students will develop competence in moral philosophy.

Outcome 7: Students will have the ability to elucidate the principles of right living and governance as these pertain to the individual.

Outcome 8: Students will have the ability to elucidate the principles of right living and governance as these pertain to the community.

Goal 6: Students will develop the ability to understand the relationship between philosophy and theology.

Outcome 9: Students will demonstrate examples of the difference between faith and reason.

## Core Courses

PHIL 205 Nature and Person

PHIL 206 Ethics

## Required Courses for the Major

PHIL 203 Logic

PHIL 205 Nature and Person and PHIL 206 Ethics are prerequisites for all required and elective courses

PHIL 302 Ancient Philosophy

PHIL 305 Medieval Philosophy

PHIL 401 Metaphysics

PHIL 413 Modern Philosophy: Descartes to Kant

PHIL 414 Contemporary Philosophy

## PHIL 490 Senior Seminar\*

Elective Major Courses (two required)

\*A 18-20 page thesis will be written in the Spring Semester course.

## Minor in Philosophy

The minor in philosophy allows students majoring in other disciplines to develop a concentration in philosophy, and to have this concentration officially recognized. The student must complete six philosophy courses—two Core philosophy courses (PHIL 205, PHIL 206), PHIL 400, and three of the student's choice. It is suggested that the student specify his courses to have a concentration complementing his chosen major.

## Course Descriptions

### PHIL 203 LOGIC

This course introduces students to the basic structures of sound thinking and will focus mainly on classic Aristotelian logic. It will help them to think and argue more clearly, as well as to analyze effectively the arguments and ideas of others. Our study of the science and art of proper reasoning includes analysis of the operations of the intellect, viz. understanding, judgment, and reasoning; and the way these operations produce their proper products, viz. the term, proposition, and syllogism. The student will also be introduced to modern symbolic logic. Logic will not be treated as a mere technique, but a field to be studied for its own sake. (4 credits)

### PHIL 205 NATURE AND PERSON

Students are introduced to the goals, methods, and principal doctrines of philosophy by studying writings from some of the most significant ancient, medieval, and modern philosophers; and by beginning to reflect philosophically on their teachings on nature, the human person, and God. Focusing especially on the human person as microcosm of being, and person as 'that which is most perfect in all of nature', this course incorporates study of the principles of nature as well as core metaphysical principles. Topics considered include the principal powers within and immortality of the human soul, the difference between body and soul and their unity in the human person; substance and accident, the principles of change, the four causes; philosophical accounts of the nature of God; and the meaning and destiny of the human person, including his relation to God. Among the authors studied are Plato, Aristotle, Augustine, Anselm, Aquinas, and Descartes. (4 credits)

### PHIL 206 ETHICS

This course introduces the student to philosophical issues pertaining to the moral life. Topics covered include the nature of moral values, the moral law and obligation, autonomy, the structure of the moral act, moral evil, and virtue, as well as topics of applied ethics. Students will study representative accounts of theistic ethics, natural law ethics, virtue ethics, utilitarianism, Kantian duty ethics, and moral subjectivism. Relevant metaphysical principles pertaining to ethical analysis will be covered, as well as those pertaining to applied ethical issues. Authors studied include thinkers such as Plato, Aristotle, Aquinas, Hume, Kant, and Mill. Prerequisite: PHIL 205. (4 credits)

### PHIL 301 PHILOSOPHY OF RELIGION

This course will focus on the nature of religion and its value and meaning for human life. Topics considered include the nature of religious experience, religious language, the relation between the "God of religion" and the "God of philosophy", a variety of religious acts and attitudes, and atheism. Ancient, medieval, and modern authors are read. Prerequisites: PHIL 205, PHIL 206. (4 credits)



**PHIL 302 ANCIENT PHILOSOPHY**

This course studies the development of Western philosophy from its origins in ancient Greece through the Later Roman empire, including the Pre-Socratics, Plato, Aristotle, the Hellenistic philosophers, and Plotinus. Major emphasis is given to the sapiential character of ancient philosophy—including the systematic questions that challenged classical thinkers to (i) seek to know the nature and first cause of the cosmos, the place of man therein, the meaning of good and evil, and (ii) pursue philosophy as a way of life. Prerequisites: PHIL 205, PHIL 206. (4 credits)

**PHIL 305 MEDIEVAL PHILOSOPHY**

This course studies the development of Western philosophy from the fourth through fourteenth centuries, paying special attention to the sapiential character of medieval philosophy and the developing Neo-Platonic syntheses—especially the great synthesis of Aquinas—as philosophy engages and integrates (i) claims of divine revelation, (ii) the influx of the texts of Aristotle and commentaries thereon, and (iii) Jewish and Islamic philosophy. Authors studied include Augustine, Proclus, Boethius, Pseudo-Dionysius, Eriugena, Anselm, Averroes, Maimonides, Aquinas, Bonaventure, Scotus, and Ockham. Prerequisites: PHIL 205, PHIL 206; philosophy majors are required to have taken PHIL 302. (4 credits)

**PHIL 306 PHILOSOPHY OF BEAUTY**

This course is an inquiry into the nature of beauty, art, and related phenomena. Consideration is given to aesthetic problems as reflected in literature, film, theater, and fine arts. Concepts of beauty in nature and in art, artistic creation, the aesthetic response, and art criticism are examined. Ancient, medieval, and modern authors are read. Prerequisites: PHIL 205, PHIL 206. (4 credits)

**PHIL 308 PHILOSOPHY OF KNOWLEDGE**

This course investigates man's capacity for objective knowledge and defends that capacity against various philosophies that have denied it. It will distinguish between different kinds of knowledge, and pay particular attention to the role of the senses, imagination, reasoning, and intelligence in knowing. Readings are taken from Plato, Aristotle, Augustine, Aquinas, Descartes, Hume, Kant, and Newman. Prerequisites: PHIL 205, PHIL 206. (4 credits)

**PHIL 310 PHILOSOPHY OF LOVE**

This course examines the reality of love as the foundation and fulfillment of human existence. The student will consider the essence of love as involving the whole person, intellect, will, and affectivity. The different kinds of love will be examined, which will include an analysis of spousal love as the highest natural embodiment of love and the true meaning of human sexuality in light of this love, and culminate in a philosophical reflection on supernatural love and the transformation of all loves in caritas. Readings are taken from thinkers such as Plato, Aristotle, Aquinas, Pieper, Kierkegaard, von Hildebrand, and others. Prerequisites: PHIL 205, PHIL 206. (4 credits)

**PHIL 400 PHILOSOPHICAL PERSPECTIVES: METAPHYSICS**

Students study metaphysics, a central pillar of the perennial philosophy. While focusing on classical, and especially Thomistic, metaphysics, they will understand key metaphysical concepts such as participation, act/potency, essence/existence, and the transcendental; analyze proofs for the existence of God; and understand being as participated in God, teleological, hierarchical, and analogical. Within this perspective, students will also examine various classical and contemporary issues—which may include the relationship between science and theology, faith and reason, the doctrine of evolution, the existence and actions of God, and God and evil. Prerequisites: PHIL 205, PHIL 206. (4 credits)

**PHIL 401 METAPHYSICS**

This course focuses on the major themes of the philosophy of being via ancient, medieval, and modern texts. It will consider the principles of being (and especially God), including what it means for a thing to exist, the transcendental properties of being, act and potency, essence and existence, participation, the principles of change and of contingent being, corruptibility and immortality, time and eternity, proofs for the existence of God, and accounts of the divine attributes the divine governance

of the universe, and the 'nature' and place of evil in the universe. After reviewing the metaphysical insights of Plato, Aristotle, and the early medievals, special attention is paid to Thomistic metaphysics, and the relationship of classical metaphysics as a whole to the modern challenges and developments brought by Descartes, Kant, Hegel, Heidegger, and others. Prerequisites: PHIL 205, PHIL 206, PHIL 302, PHIL 305. (4 credits)

#### PHIL 403 POLITICAL PHILOSOPHY

This course investigates the nature of the political community, understood as the comprehensive human association, by comparing and contrasting texts from classical and modern authors. The course focuses on the relationship between the political community and the end of human life, as it is understood in ancient, medieval, and modern authors. The goal of the course is to understand more clearly our own lives in relation to the communities to which we belong. Prerequisites: PHIL 205, PHIL 206, PHIL 302, PHIL 305. (4 credits)

#### PHIL 405 PHILOSOPHY OF SCIENCE

This course studies science in its distinction from philosophy and as an effort to understand nature. The course focuses on the character and goal and methods of scientific inquiry as a human activity. The goal of the course is to understand the nature and power of modern science in the contemporary world. Prerequisites: PHIL 205, PHIL 206, PHIL 302. (4 credits)

#### PHIL 406 ST. AUGUSTINE

This course focuses, from a philosophical perspective, on the thought of St. Augustine. Participants will study especially from his great works, including *On Free Choice of Will*, *Confessions*, *Literal Commentary on Genesis*, *City of God*, and *On the Trinity*. While topics will vary from year to year, the major emphasis is upon the sapiential dimension of Augustine's philosophy and therefore how he grounds his account of nature, man, history, politics, divine creation, and exegesis, in a metaphysical understanding of God. Attention will also be paid to recognizing the historical and philosophical context of Augustine's thought as well as to its broad influence and subsequent developments in later eras. As circumstances allow, the course may sometimes focus specifically on later, and especially medieval, Reformation, and modern forms of Augustinianism. Prerequisites: PHIL 205, PHIL 206, PHIL 302. (4 credits)

#### PHIL 407 ST. THOMAS AQUINAS

This course focuses, from a philosophical perspective, on the thought of St. Thomas Aquinas, the Angelic doctor. While concentrating on specific topics--e.g., nature, man, metaphysics, ethics, epistemology, God, and divine providence--participants study especially from Thomas' great works, including both his specialized treatises and commentaries on Aristotle, Boethius, and Dionysius. Attention will be paid to recognizing the historical and philosophical context of Aquinas' thought as well as to its broad influence and subsequent developments in later eras. As circumstances allow, the course may sometimes focus specifically on later, and especially Reformation and modern forms of Thomism. Prerequisites: PHIL 205, PHIL 206, PHIL 302, PHIL 305. (4 credits)

#### PHIL 408 FRANCISCAN PHILOSOPHY

This course aims to introduce the student to the tradition of Franciscan thought. This tradition exists both as imbedded in the scholasticism of the high middle ages, but also distinguishes itself as an approach to reality with its own unique character. The student will read the work of Bonaventure, Scotus, and Ockham, who are the major representatives of this intellectual tradition. Prerequisites: PHIL 205, PHIL 206, PHIL 302. (4 credits)

#### PHIL 409 JOHN HENRY NEWMAN

Newman's influence on Catholic thought in the 19th and 20th centuries has been widely recognized. He has been called "the last Father of the Church," a "Christian Socrates," and a "Father of Vatican II." Though not a systematic philosopher, his works are replete with philosophical insights that are particularly important for today. This course will study many of his most important works, highlighting their philosophical dimension. Prerequisites: PHIL 205, PHIL 206. (4 credits)

**PHIL 410 PLATO**

The course begins with consideration of the characteristics of 'Platonism' as a set of philosophical theses espoused by various authors, and of the history of Platonism. It proceeds to a study of Socratic ethics and of Plato's own assertions and arguments, via close reading of the dialogues. Topics include soul and body, truth and knowledge, the relation between religion and ethics, the relation between metaphysics and ethics, education, moral psychology, theories of love and motivation. Comparisons and contrasts with other authors from the history of philosophy, as well as developments (Plato's developments of earlier authors, and later authors' developments of Plato), will be pointed out and discussed along the way. Prerequisites: PHIL 205, PHIL 206, PHIL 302. (4 credits)

**PHIL 411 ARISTOTLE**

This course focuses on the philosophy of Aristotle by studying selected works in their relation to one another. The aim is to understand Aristotle as nearly as possible as he understood himself by attempting to get a comprehensive understanding of individual works and by relating those works to the themes that unite Aristotle's philosophical thinking. Typically, texts that complement one another will be chosen, such as *On the Soul* and *Nicomachean Ethics*. A central concern of the course is contemplative activity, understood as the best life for human beings, understood as political animals. To the extent that it illuminates Aristotle, his thought will be contrasted with that preceding him (especially Plato's) and that following him (especially medieval and modern thought). Prerequisites: PHIL 205, PHIL 206, PHIL 302. (4 credits)

**PHIL 413 MODERN PHILOSOPHY: DESCARTES TO KANT**

A study of the philosophy of Descartes and those responding in some way to Descartes in the context of the rise of modern science -- both the "rationalists" (Leibniz, Spinoza), and the "empiricists" (Locke, Berkeley, and Hume), culminating in the "critical" philosophy of Kant. Some attention will typically be given as well to Commonsense (Thomas Reid) and Thomist replies to Cartesianism. (Note: this course focuses on questions in metaphysics and epistemology. Ethical, social, and political philosophy in the modern period are covered in other courses.) Prerequisites: PHIL 205, PHIL 206, philosophy majors are required to have taken PHIL 302, PHIL 305. (4 credits)

**PHIL 414 CONTEMPORARY PHILOSOPHY**

A study of the two main movements of philosophy of the 20th century, "analytic" and "continental" philosophy, with attention to the roots of these movements in late 19th century thought. Analytic philosophers to be covered include: Frege, Russell, Wittgenstein, Moore, the Logical Positivists, Ordinary Language Philosophy, and Kripke. Continental philosophers include: Nietzsche, Kierkegaard, Husserl, and Heidegger. Some attention will typically be given to contributions by Catholic philosophers to these movements: Max Scheler; Edith Stein; Elizabeth Anscombe; and Peter Geach. Prerequisites: 205, PHIL 206; philosophy majors are required to have taken PHIL 302, PHIL 305, PHIL 413. (4 credits)

**PHIL 415 SPECIAL TOPICS IN PHILOSOPHY**

Content varies according to the specific research interests of professors and prospective students. It offers the opportunity to cover topics not already (or sufficiently) studied in the above course listings. (4 credits)

**PHIL 490 SENIOR SEMINAR**

This seminar, offered annually in the Spring semester, is designed specifically for and restricted to graduating philosophy seniors. Students will examine an advanced topic in depth, in a seminar setting. The course culminates in each student's writing a research thesis, 15-20 pages in length (3,000-4,000 words) to be presented, explained, and publically defended at the end of the semester. Prerequisite: Normal progress in Philosophy through mid-Senior year. (4 credits)

## Typical Plan—Philosophy (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110, 120, 150, or 151         | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | General Elective                    | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| LATN 101 Elementary Latin          | 4              | LATN 102 Intermediate Latin         | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>       | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|----------------------------|----------------|--------------------------------|----------------|
| PHIL 205 Nature and Person | 4              | PHIL 206 Ethics                | 4              |
| THEO 205 Sacred Doctrine   | 4              | POLT 203 American Civilization | 4              |
| Science I with Lab         | 4              | Science II with Lab            | 4              |
| General Elective           | 4              | General Elective               | 4              |
| Total                      | 16             | Total                          | 16             |

### Junior Year

| <u>Fall Semester</u>        | <u>Credits</u> | <u>Spring Semester</u>       | <u>Credits</u> |
|-----------------------------|----------------|------------------------------|----------------|
| PHIL 203 Logic              | 4              | PHIL 305 Medieval Philosophy | 4              |
| PHIL 302 Ancient Philosophy | 4              | Philosophy Elective          | 4              |
| General Elective            | 4              | General Elective             | 4              |
| General Elective            | 4              | General Elective             | 4              |
| Total                       | 16             | Total                        | 16             |

### Senior Year

| <u>Fall Semester</u>       | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|----------------------------|----------------|----------------------------------|----------------|
| PHIL 401 Metaphysics       | 4              | PHIL 414 Contemporary Philosophy | 4              |
| PHIL 413 Modern Philosophy | 4              | PHIL 490 Senior Seminar          | 4              |
| THEO 400 Living in Christ  | 4              | Philosophy Elective              | 4              |
| General Elective           | 4              | General Elective                 | 4              |
| Total                      | 16             | Total                            | 16             |

# Physics

Chair: Dr. Antonio Barbosa, Assistant Professor of Chemistry

The sense of wonder that comes from the contemplation of reality is the first step in the long road toward knowing the truth about ourselves and the world that surrounds us. Higher education is a means of furtherance along that road. In the university, we come into contact, in a deep and serious manner, with truths that are universal and knowledge which transcends mere utility. These have been gained through the experiences and labours of many generations of scholars.

The universal truths may be classified as Divine, human, and natural and incorporated into ordered bodies of knowledge by the theological and philosophical, human, and natural sciences, respectively. The study of these three areas is the basis of an authentic liberal arts education, one that aims to form minds in the pursuit of truth and virtue. Modernity has falsely separated these, and placed them in opposition. We believe that all sciences can work together in a fruitful dialogue that respects the proper place of each.

Physics was born from the contemplation of the rationality of the material world. A Physics Major at Ave Maria University provides students the opportunity to read the book of nature and to know the beauty of its Author.

Scientific advancement, and the concomitant technological development that such progress engenders, provide ongoing expansion of means for the practice of the corporal works of mercy, at both the societal and individual levels. The study of physics enables some individuals to realize their vocations and garner productive employment.

## Student Learning Goals and Outcomes for the Major in Physics

Goal 1: The students who opt for the Physics Major receive a deep and rich exposition of theoretical, experimental, and computational science.

Outcome 1: Acquisition: Physics Majors shall acquire an understanding of the fundamental laws and principles operative in physics.

Outcome 2: Vocation: Physics Majors shall be equipped for a variety of post-baccalaureate endeavours.

Outcome 3: Experimentation: Physics Majors shall develop experimental performance skills of data collection, analysis with attention to precision, and design criticism.

Outcome 4: Research: Physics Majors shall gain an appreciation for the value of physics research.

## Overview of the Physics Major Program

The Physics Major curriculum consists of a set of required classes in Physics [PHYS], Mathematics [MATH], Chemistry [CHEM], and Latin [LATN], along with a student-chosen suite of elective courses. Elective courses allow students to tailor the program to meet their personal, academic, and professional goals. At least four electives must be drawn from a list of PHYS courses in order to satisfy the minimal requirements for the major. Four other electives are “free.” These classes may be taken in any area of study.

Courses taken at other institutions, or via Advanced Placement, may be substituted in place of required or elective physics classes, subject to the approval of the department. Free elective courses which are transferred in must meet the criteria necessary for acceptance by the University.

Students may elect to obtain a minor in any of the disciplines represented in the University's Core Curriculum by concentrating all four free electives. Otherwise, it is our recommendation that the free electives be devoted to additional courses in physics, mathematics, and chemistry.

The Core Curriculum has a two-semester, eight-credit, language requirement. Physics majors are required to take (or otherwise obtain credit for) the standard Latin sequence. The enriched appreciation for formal grammar coming from the study of Latin aids one in mathematical reasoning and computer programming. The habits of mind (clarity and precision) necessary for careful parsing of text are essential for the understanding of physical principles and theories, and the development of models to investigate particular situations. Via the student's encounter with the language and grammar of Latin, and his development of techniques and accommodations leading to genuine comprehension of Latin sentences and paragraphs, we hope to foster and enhance his comprehension of scientific and technical reading material.

### Required Courses for the Major

CHEM 125 General Chemistry I  
 LATN 101 Elementary Latin  
 LATN 102 Intermediate Latin  
 MATH 151 Calculus I  
 MATH 250 Calculus II  
 MATH 251 Vector Calculus  
 MATH 252 Ordinary Differential Equations  
 MATH 270 Scientific Programming  
 PHYS 221 University Physics: Mechanics  
 PHYS 222 University Physics: Materials  
 PHYS 223 University Physics: Electricity and Magnetism  
 PHYS 321 Modern Physics  
 PHYS 490 Advanced Laboratory

### Elective Courses (Choose at least four)

PHYS 226 Mathematical Methods for Introductory Physics I  
 PHYS 330 Intermediate Mechanics  
 PHYS 341 Thermodynamics and Statistical Mechanics  
 PHYS 350 Intermediate Electromagnetism  
 PHYS 355 Electric Circuits with laboratory  
 PHYS 361 Quantum Mechanics I  
 PHYS 362 Quantum Mechanics II  
 PHYS 386 Simulations in Physics  
 PHYS 415 Special Topics  
 PHYS 497 Undergraduate Research

## Minor in Physics

The physics minor program is intended for students who wish to acquire some of the benefits of a physics education while majoring in another field of study. The minor program consists of (at least) six courses in physics, along with (a minimum of) MATH 151, MATH 250 (Calculus I/II). Four courses are prescribed: PHYS 221, PHYS 222, PHYS 223, PHYS 321; while the remaining two may be taken from the set of all physics classes numbered PHYS 330 and higher.

## Course Descriptions

### PHYS 211 COLLEGE PHYSICS I

Mechanics is foundational to physics. Topics include: rectilinear and rotational motions of particles and rigid bodies, forces, energy methods, conservation laws, oscillations, and waves (with laboratory). Prerequisite: MATH 150 or equivalent. (4 credits)

### PHYS 212 COLLEGE PHYSICS II

Thermodynamics, electricity and magnetism, and optics are essential aspects of classical physics. Topics include: temperature, heat and its transfer, the Laws of Thermodynamics, electric force, field, potential, and current; capacitance, resistance, induction, circuits, and optics (with laboratory). Prerequisite: PHYS 211 or permission of the instructor. (4 credits)

### PHYS 221 UNIVERSITY PHYSICS: MECHANICS

Mechanics is foundational to physics. Topics include: rectilinear and rotational motions of particles and rigid bodies, forces, energy methods, conservation laws, and Newton's Law of Universal Gravitation (with laboratory). Prerequisite: MATH 151 or permission of the instructor. Optional co-requisite: PHYS 226. (4 credits)

### PHYS 222 UNIVERSITY PHYSICS: MATERIALS

Oscillatory and wavelike behaviours are ubiquitous in nature. The production and flow of thermal energy, heat, are governed by the Laws of Thermodynamics. Topics include: materials, oscillations, travelling and standing waves, interference and diffraction, geometric optics, and the Laws of Thermodynamics (with laboratory). Prerequisites: PHYS 221 and MATH 250, or permission of the instructor. Optional co-requisite: PHYS 226. (4 credits)

### PHYS 223 UNIVERSITY PHYSICS: ELECTRICITY AND MAGNETISM

Maxwell's unification of electricity and magnetism was a revolutionary development in classical physics. Topics include: electric force, field, potential and current, capacitance, resistance; magnetism, induction, AC/DC circuits, and Maxwell's equations along with their vacuum solutions (with laboratory). Prerequisites: PHYS 221 and MATH 250, or permission of the instructor. (4 credits)

### PHYS 226 MATHEMATICAL METHODS FOR INTRODUCTORY PHYSICS I

Topics include: vectors; vector operations and products; coordinate transformations; matrices: matrix operations, determinant and trace; matrix techniques for solution of systems of linear equations; practical differential and integral calculus; solutions of common ordinary differential equations (exponential decay and growth, simple harmonic oscillation); partial derivatives (grad, div, curl); and multivariate integrations. Prerequisite: MATH 151, or permission of the instructor. (2 credits)

### PHYS 321 MODERN PHYSICS

Topics include: Origins and necessity of quantum theory, wave and matrix mechanics of simple one-dimensional quantum systems, and an introduction to the special and general theories of relativity. Prerequisites: PHYS 221 and MATH 250. (4 credits)

**PHYS 330 INTERMEDIATE MECHANICS**

Topics include: central force potentials, Lagrangian and Hamiltonian formulations of dynamics, fluids. Prerequisites: PHYS 221 and either of PHYS 222 or PHYS 223. (4 credits)

**PHYS 341 THERMODYNAMICS AND STATISTICAL MECHANICS**

Topics include: classical formulation of Thermodynamic Laws; kinetic theory; Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac distributions and applications. Prerequisite: PHYS 222. (4 credits)

**PHYS 350 INTERMEDIATE ELECTROMAGNETISM**

Topics include: Maxwell's equations in differential form, electrodynamics, electromagnetic waves, special relativity. Prerequisite: PHYS 223. (4 credits)

**PHYS 355 ELECTRIC CIRCUITS**

Topics include: DC, AC, and transient electrical circuit analysis, involving passive elements such as resistors, capacitors, transformers, etc. Circuit theories and analysis techniques developed in lecture are studied in the laboratory. Pspice is used to simulate circuits and predict experimental results. Experimental data is analyzed and interpreted using Excel (with laboratory). Prerequisites: PHYS 223, MATH 250 and MATH 270, or permission of the instructor. (4 credits)

**PHYS 361 QUANTUM MECHANICS I**

Topics include: quantum operators, one-dimensional wells and barriers, Born interpretation, Schroedinger equation, uncertainty principle, central force problems, angular momentum and spin, addition of angular momenta. Prerequisite: PHYS 321 is recommended, but may be taken concurrently. (4 credits)

**PHYS 362 QUANTUM MECHANICS II**

Topics include: fermions and bosons, perturbation theory (time independent and time dependent), variational methods, WKB approximation, scattering. Prerequisite: PHYS 361. (4 credits)

**PHYS 386 SIMULATIONS IN PHYSICS**

Topics include: random walks in one and more dimensions, monte carlo methods, ising model. Prerequisite: MATH 270. (4 credits)

**PHYS 415/416 SPECIAL TOPICS**

This course shall be offered when there is a conjunction of demand for, and the availability of expert instruction in, a specialized area of physics. Prerequisite: Contingent on subject matter and permission of the instructor. (1-4 credits)

**PHYS 490 ADVANCED LABORATORY**

Certain classic experiments were seminal in the development of our modern understanding of the fundamental properties of nature. This is a laboratory course with an historical aspect. Topics include measuring:  $e/m$ ,  $e$ ,  $h$ ,  $c$ ,  $G$ , and  $R$ . Prerequisites: PHYS 221, PHYS 222, PHYS 223, and PHYS 321, or permission of the instructor. (4 credits)

**PHYS 491 UNDERGRADUATE RESEARCH**

Student-Faculty collaboration on research projects of mutual interest. Prerequisite: Permission of the instructor. (1-4 credits)

**PHYS 497 Undergraduate Research**

Student-faculty collaboration on research projects of mutual interest. Prerequisite: Permission of the instructor. (Variable credits)



**PHYS 499 DIRECTED READING IN PHYSICS**

A guided survey of a specialized area of physics. Prerequisite: Contingent on subject matter and permission of the instructor.  
(1-4 credits)

## Typical Plan—Physics (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 151 Calculus I                | 4              | MATH 250 Calculus II                | 4              |
| CHEM 125 General Chemistry I       | 4              | PHYS 221 University Phys: Mechanics | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| LATN 101 Elementary Latin          | 4              | PHYS 226 Mathematical Methods       | 2              |
|                                    |                | General Elective                    | 2              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>             | <u>Credits</u> | <u>Spring Semester</u>                 | <u>Credits</u> |
|----------------------------------|----------------|--|----------------|
| PHYS 321 Modern Physics          | 4              | MATH 270 Scientific Program            | 4              |
| PHYS 223 University Physics: E&M | 4              | PHYS 222 University Physics: Materials | 4              |
| MATH 251 Vector Calculus         | 4              | THEO 105 Sacred Scripture              | 4              |
| COMP 101 Composition             | 4              | LATN 102 Intermediate Latin            | 4              |
| Total                            | 16             | Total                                  | 16             |

### Junior Year

| <u>Fall Semester</u>                  | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|---------------------------------------|----------------|--------------------------------|----------------|
| MATH 252 Ordinary Different Equations | 4              | Physics Elective               | 4              |
| Physics Elective                      | 4              | POLT 203 American Civilization | 4              |
| PHIL 205 Nature and Person            | 4              | PHIL 206 Ethics                | 4              |
| THEO 205 Sacred Doctrine              | 4              | General Elective               | 4              |
| Total                                 | 16             | Total                          | 16             |

### Senior Year

| <u>Fall Semester</u>      | <u>Credits</u> | <u>Spring Semester</u>       | <u>Credits</u> |
|---------------------------|----------------|------------------------------|----------------|
| THEO 400 Living in Christ | 4              | PHYS 490 Advanced Laboratory | 4              |
| Physics Elective          | 4              | Physics Elective             | 4              |
| General Elective          | 4              | Physics Elective             | 4              |
| General Elective          | 4              | General Elective             | 4              |
| Total                     | 16             | Total                        | 16             |

# Political Economy & Government

Program Director: Dr. Seana Sugrue, Professor of Politics

The Major in Political Economy & Government prepares students to understand and participate in public debates that affect our life as a nation. The economics courses prepare students to understand the costs and the benefits of market forces and of government action. The politics courses reveal the basic principles and the intricacies of policy making. Together, they prepare students to be informed, intelligent participants in our democracy.

The Major in Political Economy & Government is designed for students who wish to understand the political principles and economic tools and concepts involved in domestic policy making. They will apply advanced economic analysis to concrete policy proposals. They will understand the process of creating policies.

## Student Learning Goals and Outcomes for the Major in Political Economy & Government

Goal 1: Students will possess knowledge of the normative principles and purposes of politics, as well as the framework of American government within which public policy is made; they will be capable of making sound, well-integrated, and well-informed arguments about the national economy, applying higher-order thinking skills (analysis, synthesis, and evaluation) to problems affecting political economy and government.

Outcome 1: Students will demonstrate knowledge of Political Thought, including Catholic thought.

Outcome 2: Students will demonstrate knowledge of American Government, the United States Constitution, and the process by which public policy is made.

Outcome 3: Students will be able to describe the history and institutions of the U.S. economy, as well as trends and indicator data for the economy.

Outcome 4: Students will be able to identify, describe, and articulate standard economic terminology, concepts, models, and arguments, and to apply standard statistical tools and mathematical tools used in economics.

Outcome 5: Students will be able to write an argumentative essay, exhibiting competence in invention, organization, and style.

Outcome 6: Students will demonstrate the ability to speak effectively in front of peers and make oral arguments.

Outcome 7: Students will demonstrate the capacity to draw upon knowledge across disciplines in policy debates, especially knowledge of politics and economics.

## Required Courses for the Major

ECON 201 Principles of Macroeconomics

ECON 202 Principles of Microeconomics

ECON 302 Intermediate Microeconomics

POLT 201 Introduction to Political Thought

POLT 301 American Government

POLT 304 Constitutional Law

STAT 230 Applied Statistics

One Elective out of

THEO 315 Catholic Social Teaching

POLT 302 Catholic Political Thought

One Elective out of

POLT 305 Public Policy

POLT 314 U.S. Foreign Policy

One additional elective in Economics

Other courses in the same areas of politics and economics may be substituted with the approval of the program director. Political Economy & Government course descriptions can be found under their respective disciplines.

## Typical Plan—Political Economy & Government (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110, 150, or 151              | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | STAT 230 Applied Statistics         | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| Elementary Foreign Language        | 4              | Intermediate Foreign Language       | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>                | <u>Credits</u> | <u>Spring Semester</u>           | <u>Credits</u> |
|-------------------------------------|----------------|----------------------------------|----------------|
| PHIL 205 Nature and Person          | 4              | PHIL 206 Ethics                  | 4              |
| THEO 205 Sacred Doctrine            | 4              | POLT 203 American Civilization   | 4              |
| POLT 201 Intro to Political Thought | 4              | General Elective                 | 4              |
| ECON 201 Principles of Macroecon    | 4              | ECON 202 Principles of Microecon | 4              |
| Total                               | 16             | Total                            | 16             |

### Junior Year

| <u>Fall Semester</u>         | <u>Credits</u> | <u>Spring Semester</u>          | <u>Credits</u> |
|------------------------------|----------------|---------------------------------|----------------|
| POLT 301 American Government | 4              | ECON 302 Intermediate Microecon | 4              |
| POLT 304 Constitutional Law  | 4              | THEO 315 or POLT 302            | 4              |
| Science I with Lab           | 4              | Science II with Lab             | 4              |
| General Elective             | 4              | General Elective                | 4              |
| Total                        | 16             | Total                           | 16             |

### Senior Year

| <u>Fall Semester</u>      | <u>Credits</u> | <u>Spring Semester</u> | <u>Credits</u> |
|---------------------------|----------------|------------------------|----------------|
| THEO 400 Living in Christ | 4              | Economics Elective     | 4              |
| POLT 305 or POLT 314      | 4              | General Elective       | 4              |
| General Elective          | 4              | General Elective       | 4              |
| General Elective          | 4              | General Elective       | 4              |
| Total                     | 16             | Total                  | 16             |

# Politics

Chair: Dr. Seana Sugrue, Professor of Politics

Politics is the study of man in communities and deliberation about how best to order man's social existence. The main objective of Ave Maria University's Politics Major is to advance students' critical understanding of the nature and purpose of political life. Students are presented with differing theoretical perspectives from which to understand and assess certain perennial political problems. Through careful analysis of how statesmen and scholars from antiquity to the present have answered the great political questions, students expand their intellectual horizons and cultivate sharp analytical and critical skills.

The program is guided by the four subfields of the study of politics: political philosophy, American politics, international relations, and comparative politics. These four fields complement each other. Political philosophy promotes inquiry into the nature of justice, authority, forms of social order, law, political regimes, and international relations. American government promotes the study of constitutional law, the history of American politics, public and foreign policy, and comparative politics. Courses in the field of American government serve to test the theoretical underpinnings of political philosophy; courses in political philosophy offer normative perspectives from which to evaluate issues and events in American government. Courses in international relations and comparative politics are moved by considerations of justice and the attempt to evaluate normatively regimes. The four fields provide broad and principled yet exact knowledge of political life. The curriculum is designed to provide a solid foundation for specialized graduate work, entry into law school, careers in the public or private sector, and life-long learning. Ave Maria University cultivates in its students a sense of public responsibility and a respect for the common good. Therefore emphasis is placed upon normative principles and purposes of government, as well as the factual operations and history of the United States system of government.

## Student Learning Goals and Outcomes for the Major in Politics

Goal 1: Upon graduation, students will possess knowledge of the normative principles and purposes of politics, as well as of the operations of systems of governance, including the American system.

Outcome 1: Graduates will demonstrate knowledge of Political Thought, including Catholic Political Thought.

Outcome 2: Graduates will demonstrate knowledge of International Relations, including the following: major theoretical perspectives in the discipline, terminology, and topics such as just war theory and globalization.

Outcome 3: Graduates will demonstrate knowledge of American Government, including the United States Constitution, processes of government, influential actors in American politics, and the like.

Outcome 4: Graduates will demonstrate knowledge of Comparative Politics, including terminology in the subfield, differences among democracies, as well as various types of government in theory and in practice.

Outcome 5: Graduates will demonstrate the ability to write a paper with a clear thesis statement, defended with facts and arguments that is well organized, and free of major grammatical errors.

Outcome 6: Graduates will demonstrate the ability to speak effectively in front of peers and make oral arguments.

Outcome 7: Graduates will demonstrate knowledge across disciplines, especially of history and philosophy.

Outcome 8: Graduates will be aware of careers and opportunities relevant to politics, and will be ready for professional or graduate studies.

Outcome 9: Graduates will leave the major program through graduation with positive perceptions and feelings about the department and its personnel.

### Required Courses for the Major

POLT 201 Introduction to Political Thought  
POLT 202 Comparative Politics  
POLT 203 American Civilization  
POLT 205 Introduction to International Relations  
POLT 301 American Government  
POLT 302 Catholic Political Thought  
POLT 304 Constitutional Law  
POLT 490 Senior Seminar

### Elective Major Courses (three required)

POLT 204 Introduction to Political Research  
POLT 305 Public Policy  
POLT 307 The United States Presidency  
POLT 308 The United States Congress  
POLT 309 The Judiciary of the United States  
POLT 314 U.S. Foreign Policy  
POLT 320 American Political Thought  
POLT 402 Modernity and Post Modernity  
POLT 403 Tyranny and Totalitarianism  
POLT 404 Technology, Science, and Politics  
POLT 415 Special Topics in Politics (including Media and Politics)  
POLT 495 Internship in Politics

### Minor in Politics

A Minor in Politics is available. The minor requires POLT 201, 203, and 302. In addition, the student must complete three politics courses.

### Course Descriptions

#### POLT 201 INTRODUCTION TO POLITICAL THOUGHT

A survey of classic works of political thought that have shaped our common political language. Students hone their critical and analytical writing skills as they acquire a deeper understanding of some of the most important concepts, problems and debates that shape our public and private lives. (4 credits)

#### POLT 202 COMPARATIVE POLITICS

An introduction to the diverse ways that political societies throughout the world organize themselves, both politically and constitutionally. The course compares ideological systems such as liberalism and socialism, constitutional frameworks such

as parliamentary and presidential systems, and political practices through case studies of nations such as the United Kingdom, France, China, Mexico, and Russia. (4 credits)

#### POLT 203 AMERICAN CIVILIZATION

This course covers the major events and themes in the development of the U.S. Republic, from its colonial origins to the present day. Special concentration is paid to the development of the American political system. It is meant to provide special background for U.S. students interested in the history of their own nation, as well as Ave Maria's foreign students who are interested in the history and system of governance of their host country. (4 credits)

#### POLT 204 INTRODUCTION TO POLITICAL RESEARCH

This course explores the conceptual, theoretical, methodological and analytical foci of political science. Consideration is given to a spectrum of theoretical perspectives to highlight how they shape research questions, to research methods, and to units of analysis ranging from the micro-level analysis of individuals to the macro-level analysis of social structures and systems. (4 credits)

#### POLT 205 INTRODUCTION TO INTERNATIONAL RELATIONS

This course provides an introduction to historical transformations that have created international systems, to states and other actors within world politics, and to diplomacy, war, trade, and international institutions as mediums of interaction in world affairs. The course explores theoretical paradigms by which to understand international relations, including variants of realism and liberalism, as it offers a historical overview of major developments in world history, especially from the 19th century to the present day. Students are introduced to current scholarly debates within the field of international relations and are expected to assess critically these debates in light of the core concepts, various theoretical approaches and historical knowledge to which they are introduced. Topics discussed include: causes of war, just war theory, international political economy, the development gap, human rights, non-state actors, transnational concerns, and rising state powers in the 21st century. (4 credits)

#### POLT 301 AMERICAN GOVERNMENT

Building upon POLT 203, this course is a closer study of the fundamental principles of the American political system and their implications for current policies and practice. (4 credits)

#### POLT 302 CATHOLIC POLITICAL THOUGHT

A close study of important works of Catholic political thinkers from the patristic period to the present. Besides St. Augustine and St. Thomas Aquinas, the course could include texts by Bellarmine, More, Suarez, Tocqueville, Brownson, Santayana, Acton, Maritain, Rommen, Messner, Murray, McCoy, Costanzo, Schall, Molnar, George, Finnis, and the social encyclicals since Pope Leo XIII. (4 credits)

#### POLT 304 CONSTITUTIONAL LAW

This course provides analyses of fundamental tenets of American constitutional law, seminal Supreme Court decisions, and jurisprudential debates about the scope and meaning of the Constitution and of the judicial role in American society. Juridical decisions are placed in historical context, and are considered in light of past interpretations, American history, dominant political philosophies, methods of interpretation and overall coherence. (4 credits)

#### POLT 305 PUBLIC POLICY

This course considers several prominent issues of public policy and provides an overview of public policy-making processes in the United States. Policy issues considered may include public education, welfare, youth at risk and criminal law, abortion, marriage, human reproduction, health care, immigration, military governance, terrorism, and the environment. (4 credits)



**POLT 307 THE UNITED STATES PRESIDENCY**

A study of the constitutional design and practical operation of the U.S. Presidency as well as the selection of presidents. The course examines the rise of the modern presidency, the character of executive power, and the nature of democratic leadership. (4 credits)

**POLT 308 THE UNITED STATES CONGRESS**

An examination of the national legislature comparing the understanding of the Congress at the Founding with contemporary practice. The course considers the key constitutional and traditional differences between the House and the Senate, basic rules and procedures of how a bill becomes a law, the fundamentals of the electoral process, Congressional campaign strategies, redistricting and appointment, and the interaction between Congress and the rest of the "Washington" establishment. (4 credits)

**POLT 309 THE JUDICIARY OF THE UNITED STATES**

A study of significant operations and powers of federal and state courts. The course also considers the impact of judicial decisions and the possible political role of the judiciary in the United States. (4 credits)

**POLT 314 U.S. FOREIGN POLICY**

This course offers an overview of key events that have shaped America's foreign policy from the Revolutionary period to the War on Terror. It also explores America's strategic and ideological commitments that have shaped these events. Themes examined include the tension between America's expansionist and isolationist tendencies, its universalistic aspirations, its liberal and realist traditions of thought, and its role as nation-builder with developing countries. (4 credits)

**POLT 320 AMERICAN POLITICAL THOUGHT**

The Federalist Papers are widely considered to be the best defense and explanation of the American Constitution and Alexis De Tocqueville's *Democracy in America* the best book about democracy and America ever written. By way of a close reading of both texts we seek an understanding of the American regime. In the second half of the course we will turn to Benjamin Franklin, Allan Bloom, and Mark Twain to discern the distinctly American character that emerges within the constitutional republican state and democratic society. (4 credits)

**POLT 402 MODERNITY AND POST-MODERNITY**

Some claim that the modern rationalist project has culminated in a crisis of lost confidence in reason and the rise of relativism and historicism. This course will examine the most ardent and perceptive critics of the modern project, beginning with Nietzsche, Karl Marx, and Martin Heidegger, and go on to examine the so-called "postmodern" solutions to that crisis. (4 credits)

**POLT 403 TYRANNY AND TOTALITARIANISM**

What is a tyrant? How and why do countries succumb to totalitarian control? In this course we seek to understand the phenomenon of tyranny and totalitarianism and its psychological and ideological roots. We will do so through an examination of the totalitarian ideologies of Communism, Fascism, and Islamic Fundamentalism, and literary depictions of totalitarian life in George Orwell, and Aldous Huxley. (4 credits)

**POLT 404 TECHNOLOGY, SCIENCE, AND POLITICS**

This class will investigate a series of questions concerning the intersection of science, technology, and politics. First, we need to understand the meaning of technology? We will seek an answer beyond the idea of technology as tools or instruments. We seek to go to the root of modern man's technological drive by investigating the origins of the modern scientific project. From there we may begin to glimpse what it is that man seeks through technology and the benefits and pitfalls of modern man's technological prowess. How does this technological prowess and frame of mind impact and inform our democratic republic? We will seek clarity of these issues by looking at the thought of Francis Bacon, Rene Descartes, Martin

Heidegger, and other more contemporary writers on the challenges technology presents to modern liberal democracy. (4 credits)

#### POLT 415 SPECIAL TOPICS IN POLITICS

The topics for this seminar vary. They are determined by faculty and students interests. (4 credits)

#### POLT 490 SENIOR SEMINAR

The senior seminar is the capstone course for all majors and designed to be the last course in the Politics sequence. The course has several objects: to present a topic and texts that comprehend and build upon the student's previous coursework in the department; to hone the student's skill in spoken argument and intellectual conversation; to develop the student's skill in written argument, through a lengthy term paper; to test the student's comprehension of seminal works through an oral examination. (4 credits)

#### POLT 495 INTERNSHIP IN POLITICS

The internship is a curricular-related work-experience through which students have the opportunity to apply accumulated knowledge to work in the field of politics. An internship for which academic credit may be given must enhance the development of the student's college-level skills in communicating ideas and information, analyzing information and arguments, problem-solving, or the like. Only upperclassmen are eligible. Permission of the Department Chair must be sought in advance of substantial completion of the internship. (Variable credit)

## Typical Plan—Politics (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| MATH 110, 120, 150, or 151         | 4              | THEO 105 Sacred Scripture           | 4              |
| COMP 101 Composition               | 4              | POLT 203 American Civilization      | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| Elementary Foreign Language        | 4              | Intermediate Foreign Language       | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>                | <u>Credits</u> | <u>Spring Semester</u>                   | <u>Credits</u> |
|-------------------------------------|----------------|--|----------------|
| PHIL 205 Nature and Person          | 4              | PHIL 206 Ethics                          | 4              |
| THEO 205 Sacred Doctrine            | 4              | General Elective                         | 4              |
| Science I with Lab                  | 4              | Science II with Lab                      | 4              |
| POLT 201 Intro to Political Thought | 4              | POLT 205 Introduction to Int'l Relations | 4              |
| Total                               | 16             | Total                                    | 16             |

### Junior Year

| <u>Fall Semester</u>         | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------|----------------|-------------------------------------|----------------|
| POLT 301 American Government | 4              | Politics Elective                   | 4              |
| POLT 304 Constitutional Law  | 4              | POLT 202 Comparative Politics       | 4              |
| General Elective             | 4              | POLT 302 Catholic Political Thought | 4              |
| General Elective             | 4              | General Elective                    | 4              |
| Total                        | 16             | Total                               | 16             |

### Senior Year

| <u>Fall Semester</u>      | <u>Credits</u> | <u>Spring Semester</u>  | <u>Credits</u> |
|---------------------------|----------------|-------------------------|----------------|
| THEO 400 Living in Christ | 4              | General Elective        | 4              |
| Politics Elective         | 4              | POLT 490 Senior Seminar | 4              |
| General Elective          | 4              | Politics Elective       | 4              |
| General Elective          | 4              | General Elective        | 4              |
| Total                     | 16             | Total                   | 16             |

# Psychology

Chair: Dr. Keith Houde, Professor of Psychology

The Psychology program seeks to acquire and impart knowledge about the human psyche in terms of both mental processes and human action. To impart this knowledge, the program grounds students in the foundational areas and methodologies proper to the discipline of psychology. Recognizing the overall unity of truth, the study of psychology is carried out in conversation with philosophical and theological insights into the human person. Teachers and students reflect on the relation between the theories of human action and behavior as hitherto developed by psychology and the understanding of the human person in the perennial philosophy and Catholic theology: philosophical wisdom provides a normative standard of judgment concerning the human person; theology completes this wisdom in an explicitly Christ-centered vision. Students develop an understanding of research methodology within the field of psychology to prepare for graduate and professional study in a number of disciplines. The Psychology program curriculum prepares students for professional and graduate study in psychology. High-achieving students will be expected to conduct original research and provide detailed and reflective analysis.

## Student Learning Outcomes for the Major in Psychology

Goal 1: Through coursework students will acquire the following: Familiarity with knowledge base in psychology; understanding and application of research methods in psychology; respect and use of critical thinking skills (including ability to evaluate psychological theories in light of an authentic Catholic anthropology); understanding and application of psychological principles to personal, social, and organizational issues; ability to act ethically, respect the value of persons, and reflect the highest values of the discipline of psychology; competence in written, oral, and interpersonal communication skills; and reflection and application of strategies for personal and professional development.

### Outcome 1: Knowledge Base in Psychology

Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.

### Outcome 2: Research Methods

Students will understand and apply basic natural science and human science research methods in psychology, including information competence, research design, data analysis, and interpretation.

### Outcome 3: Critical Thinking Skills

Students will cultivate wonder, develop critical thinking, and integrate faith and reason to evaluate psychological theories and to solve problems related to mental processes and behavior, in light of an authentic Catholic anthropology.

### Outcome 4: Application

Students will understand and apply psychological principles to personal, social, and organizational issues, with concern for the good of persons and for the common good.

**Outcome 5: Values**

Students will be able to weigh evidence, abide mystery, act ethically, respect the uniqueness and value of each person within the context of family, society, and culture, and reflect other values of the discipline of psychology consistent with Catholic faith and morals.

**Outcome 6: Communication Skills**

Students will demonstrate competence in written, oral, and interpersonal communication skills.

**Outcome 7: Personal and Professional Development**

Students will reflect upon human nature and apply effective strategies for self-mastery, character growth, teamwork, and career preparation in accord with personal and professional vocation.

**Required Core Courses in the Natural Sciences**

BIOL 201 and BIOL 202; or BIOL 211 and BIOL 212; or BIOL 304 and BIOL 309 (or approved equivalents)

**Required Courses for the Major**

PSYC 201 Principles and Methods of Psychology

PSYC 205 Foundations of Psychology as a Human Science

PSYC 301 Human Development and Learning

PSYC 305 Research Methods and Design

PSYC 317 Psychopathology

PSYC 425 Cognitive Neuroscience

PSYC 490 History and Systems of Psychology: Senior Seminar

STAT 230 Applied Statistics

Elective Major Courses (three required)

**Minor in Psychology**

The Minor in Psychology requires PSYC 201, PSYC 205, PSYC 301, PSYC 317, and two Psychology electives.

**Course Descriptions****PSYC 201 PRINCIPLES AND METHODS OF PSYCHOLOGY**

This course will introduce students to psychology as a science and as a useful tool in understanding our own behavior and that of others. Students will understand the main content areas, which include neuropsychology, sensation, perception, cognition, learning, development, abnormal, personality, and social psychology, the scientific method, physiological psychology, evolutionary psychology and behavior genetics, sleeping and dreaming, learning theories, memory and forgetting, cognitive psychology, stress and health, and psychological therapies. Students will make an effort to conceptualize these content areas from the perspective of Catholic teaching and psychology, with supplemental assigned readings throughout. Additional (and complementary to the main text) readings will involve the role of psychology on education, child-raising, religion, popular culture, and public policy. This course is the standard prerequisite for all upper-level PSYC courses.\* (4 credits)

**PSYC 205 FOUNDATIONS OF PSYCHOLOGY AS A HUMAN SCIENCE**

This course guides students in approaching psychology as a discipline within the liberal arts that seeks the truth of the human person from the discipline's distinctive viewpoint in a way that complements the other disciplines within the Core Curriculum. This course thus considers psychology in its humanistic roots as distinct from, and yet connected to, the contemporary focus on the discipline as an empirical science. The course will investigate the fundamental figures responsible for the development of modern psychology. In addition, the course will investigate the origins of psychology as a discipline by examining the psychological characteristics of the human person through the lens of ancient philosophers as well as major figures in the Christian tradition. Prerequisites: PSYC 201\* or ECON 250, PHIL 205. (4 credits)

**PSYC 301 HUMAN DEVELOPMENT AND LEARNING**

This intensive course will introduce students to developmental theory and research. The life stages covered during this semester are prenatal, infancy, early childhood, middle and late childhood, adolescence, early adulthood, middle adulthood, late adulthood, aging, and death and dying. The interaction of heredity and environment and their influences on development will be explored. The relationship of Catholic teaching will be routinely integrated into the course material, including Catholic literature on the topic of human growth and development. Also discussed will be the impact of sociocultural contexts (culture, gender, socioeconomic status, race, and ethnicity, etc.) on physical, cognitive, and psychosocial development. It also considers central aspects of Christian life such as the development of the conscience, the life of virtue, commitment to human relationships, and the discernment of one's vocation. Cross-listed with EDUC 301. Prerequisite: PSYC 201\* or ECON 250 or EDUC 201 or NURS 210. (4 credits)

**PSYC 302 EDUCATIONAL PSYCHOLOGY**

Emphasizes the psychological approach to learning, including physical, social, and moral development as applied to the classroom. Methods of evaluation, transfer, training, developmental patterns of pupils, teacher-student interaction, behavior management, and sociocultural influences are discussed. Cross-listed with EDUC 302. Prerequisite: PSYC 201\* or EDUC 201. (4 credits)

**PSYC 305 RESEARCH METHODS AND DESIGN**

A survey of the basic techniques and methods essential to conducting independent research in the sciences (and social sciences), and locating, processing, and presenting research materials. Students will be expected to read, present, and discuss current research papers in the social sciences and science fields of their choosing. A final research project is required. Prerequisites: PSYC 201, STAT 230. (4 credits)

**PSYC 310 INTRODUCTION TO COUNSELING AND PERSONALITY THEORIES**

Introduces students to theories and approaches used in counseling, including psychoanalytic, eclectic, non-directive, cognitive-behavioral, family systems, positive psychology, and various other approaches. The course considers areas such as adolescent counseling, marriage and family counseling, and treating addictive behaviors. The usefulness of different approaches will be critiqued from a Christian view of the person. The class will include an intensive experiential component, introducing students to the interpersonal processes involved in the counseling process. The didactic portion of the course will also involve an evaluation of the effectiveness of various approaches taken in such areas as adolescent counseling, the treatment of addictive behaviors, couples and family counseling, and grief counseling. Prerequisite: PSYC 201, PSYC 317. (4 credits)

**PSYC 315 PERSONALITY AND CHARACTER**

Introduces students to the psychodynamic, biological, trait, behavioral/cognitive, and humanistic/existential approaches to human personality, along with relevant personality research and assessment methods. The restoration of character and virtue as legitimate psychological topics is recognized within the emerging area of positive psychology. Personality theories

and positive psychology will be evaluated in view of Catholic anthropology and the Christian virtue tradition. Prerequisites: PSYC 201, PSYC 205. (4 credits)

#### PSYC 317 PSYCHOPATHOLOGY

An introductory survey of the field of abnormal psychology. Emphasis is placed on the study of the history, dynamics, treatment, and types of maladaptive behavior. Content areas include clinical assessment, diagnosis and treatment, anxiety, stress, mood disorders, suicide, eating disorders, substance-related disorders, schizophrenia and other severe mental disorders, personality disorders, disorders of childhood and adolescence, and disorders of aging and cognition. Attention will be given to the integration of these content areas and the perspective of the Catholic understanding of the human person. Prerequisite: PSYC 201. (4 credits)

#### PSYC 320 SOCIAL PSYCHOLOGY

This course offers a broad introduction to social psychology, the scientific study of psychological factors and influences in group behavior. This involves the study of the individual in group situations, and the influence of the social environment on individual behavior and development. Prerequisites PSYC 201\* or COMM 200 or ECON 250. (4 credits)

#### PSYC 330 ORGANIZATIONAL PSYCHOLOGY

This course offers a study of the individual processes and interpersonal relationships of people in organizations. It surveys practical applications of psychology to issues in business, specifically the study of individual and group dynamics and the influence of organizational structures on work behaviors. This course presents the nature of human attitudes and emotions as they relate to workplace effectiveness. Topics include motivation, leadership, decision-making, creativity and communication, performance enhancement, job design, organizational culture, collaboration and change. Students are introduced to organizational psychology research methods, workplace staffing considerations, as well as approaches to training and development. Cross-listed with BUSN 330. Prerequisite: PSYC 201\* or BUSN 303 or COMM 200 or MKTG 200. (4 credits)

#### PSYC 335 CONSUMER PSYCHOLOGY

This course covers the buyer decision process, which serves as a framework for the analysis of how and why products and services are purchased and used. How are marketing strategies of organizations affected by consumer decisions? Particular emphasis on marketing applications in high-tech and service industries. Prerequisite: PSYC 201\* or BUSN 303 or MKTG 200. Cross-listed with MKTG 335. (4 credits)

#### PSYC 345 QUALITATIVE RESEARCH

This course is designed to provide a basic understanding of the philosophical foundations, appropriate domains, and strengths and limitations of qualitative research as distinct from quantitative research. Students will be introduced to multiple methodologies within qualitative research including existential-phenomenological analysis, grounded theory, and narrative inquiry. The course will emphasize both the critical evaluation of psychological research, as well as the actual design, administration, and report of students' original research projects. Students will be expected to acquire skills required to conduct and interpret qualitative psychological research. Prerequisites: PSYC 201, PSYC 205, PSYC 305. (4 credits)

#### PSYC 350 HEALTH PSYCHOLOGY

A study of the psychological and social factors influencing health and the basic psychosocial processes in selected diseases and disabilities, along with presentation of basic medical terminology. Prerequisites: PSYC 201\* or BIOL 250. (4 credits)

**PSYC 360 EVALUATION AND TESTING**

Theory and techniques of psychological measurement are covered. Tests of ability, achievement, aptitude, interests, and personality are studied, as well as uses and limitations of psychological assessment. Prerequisites: PSYC 201, STAT 230. (4 credits)

**PSYC 370 SPORT PSYCHOLOGY**

This course examines psychological theories and research related to sport and exercise behavior. The course is designed to introduce students to the field of sport and exercise psychology by providing a broad overview of the major topics in the area. Content areas include participation in sport, personality, motivation, arousal and anxiety, competition and cooperation, reinforcement, team dynamics and group cohesion, leadership, communication, performance improvement, psychological skills training, arousal regulation and anxiety reduction, imagery, self-confidence, goal-setting, concentration and attention, health and well-being, exercise behavior and adherence, injuries, addictions, burnout and overtraining, children and sports, aggression, and character development. Attention will be given to the integration of these content areas and the perspective of the Catholic understanding of the human person. Prerequisite: PSYC 201\* or EXER 270. (4 credits)

**PSYC 415 SPECIAL TOPICS IN PSYCHOLOGY**

Considers special topics within the field of psychology. Prerequisite: PSYC 201. (4 credits)

**PSYC 425 COGNITIVE NEUROSCIENCE**

An overview of the psychology of knowledge representation, beginning from the foundations of perception, attention, memory, and language to examining concepts, imagery, thinking, decision making, and problem solving. This course addresses findings of neuroscience, cognitive science, and cognitive neuroscience involved in the biological bases of fundamental psychological processes, including sensation and perception, action, memory, language and higher cognition. Prerequisites: PSYC 201, BIOL 201 or BIOL 211 or BIOL 304, BIOL 202 or BIOL 212 or BIOL 309. (4 credits)

**PSYC 490 HISTORY AND SYSTEMS OF PSYCHOLOGY: SENIOR SEMINAR**

This course traces the history of psychology beginning with the ancient Greek philosophers and scholastics, considering the beginnings of modern science and philosophy, and continuing with the development of Freudian and behaviorist models, humanistic or self-psychology, cognitive-behavior theory, and most recently, positive psychology. The philosophical assumptions underlying the theories will be examined in the light of Catholic philosophy and theology. Historical influences on the development of psychology will be discussed as well as psychology's emergence as a shaping force in history. Research paper required. Prerequisites: PSYC 201, PSYC 205. (4 credits)

**PSYC 495 SENIOR INTERNSHIP**

Supervised study of and participation in one of various professional service agencies at approved locations. The purpose is to expose students to the need for trained psychologists and social workers, and to formulate their own educational and professional needs in qualifying for such positions. Placement may be in a clinical or applied setting. Prerequisites: PSYC 201, PSYC 301, PSYC 317, and permission of instructor. (Variable credit; 40 practicum hours per credit hour)

**PSYC 497 DIRECTED RESEARCH**

Requires students with junior or senior standing to write a thesis on an approved topic related to a specific area of emphasis. The thesis requires extensive library and/or field research under the supervision of a faculty member. Students are required to have a 3.25 GPA in their major and a 3.00 GPA overall to take this course. Prerequisites: PSYC 201, PSYC 305, and permission of instructor. (Variable credit)



**STAT 230 APPLIED STATISTICS**

A self-contained introduction to statistical inference with applications in economics and the social sciences. Univariate and multivariate descriptive statistics, probability theory, sampling distributions, statistical inference, hypothesis testing, simple and multiple regression analysis. Intensive use of statistical software is a key component of the course. Prerequisite: MATH 110 with a minimum grade of C- or MATH 150. (4 credits)

\*Please note that the standard PSYC 201 prerequisite may be waived and replaced *only* for certain declared majors or minors taking *only* specific Psychology course(s) required or elective for that major or minor program; in such cases, a specific designated entry-level course within the major or minor serves as the substitute for the PSYC 201 prerequisite. These exceptions (listed below) do *not* apply to students who have not formally declared the relevant major or minor.

| <b>Declared Major/Minor</b>         | <b>Prerequisite Substitute</b> | <b>Psychology Course(s)</b>            |
|-------------------------------------|--------------------------------|--|
| Business Administration major/minor | BUSN 303                       | PSYC 330/BUSN 330<br>PSYC 335/MKTG 335 |
| Communications major                | COMM 200                       | PSYC 320                               |
| Education major/minor               | EDUC 201                       | PSYC 301/EDUC 301<br>PSYC 302/EDUC 302 |
| Exercise Physiology major/minor     | EXER 270                       | PSYC 370                               |
| Family and Society minor            | ECON 250                       | PSYC 205<br>PSYC 301<br>PSYC 320       |
| Health Science major/minor          | BIOL 250                       | PSYC 350                               |
| Marketing major                     | MKTG 200                       | PSYC 330/BUSN 330<br>PSYC 335/MKTG 335 |
| Nursing major                       | NURS 210                       | PSYC 301                               |

## Typical Plan—Psychology (B.A.)

### Freshman Year

| Fall Semester                      | Credits | Spring Semester                     | Credits |
|------------------------------------|---------|-------------------------------------|---------|
| MATH 110 (min C-) or MATH 150      | 4       | THEO 105 Sacred Scripture           | 4       |
| COMP 101 Composition               | 4       | PSYC 201 Principles Methods Psych   | 4       |
| CORE 101 Western Civ and Culture I | 4       | CORE 102 Western Civ and Culture II | 4       |
| Elementary Foreign Language        | 4       | Intermediate Foreign Language       | 4       |
| Total                              | 16      | Total                               | 16      |

### Sophomore Year

| Fall Semester                   | Credits | Spring Semester                    | Credits |
|---------------------------------|---------|------------------------------------|---------|
| THEO 205 Sacred Doctrine        | 4       | POLT 203 American Civilization     | 4       |
| BIOL 201, BIOL 211, or BIOL 304 | 4       | BIOL 202, BIOL 212, or BIOL 309    | 4       |
| PHIL 205 Nature and Person      | 4       | PSYC 205 Foundations Psych Hum Sci | 4       |
| STAT 230 Applied Statistics     | 4       | PSYC 305 Research Methods          | 4       |
| Total                           | 16      | Total                              | 16      |

### Junior Year

| Fall Semester                    | Credits | Spring Semester          | Credits |
|----------------------------------|---------|--------------------------|---------|
| PSYC 301 Hum Development and Lrn | 4       | PSYC 317 Psychopathology | 4       |
| Psychology Elective              | 4       | PHIL 206 Ethics          | 4       |
| General Elective                 | 4       | General Elective         | 4       |
| General Elective                 | 4       | General Elective         | 4       |
| Total                            | 16      | Total                    | 16      |

### Senior Year

| Fall Semester                   | Credits | Spring Semester              | Credits |
|---------------------------------|---------|------------------------------|---------|
| PSYC 425 Cognitive Neuroscience | 4       | PSYC 490 History and Systems | 4       |
| Psychology Elective             | 4       | Psychology Elective          | 4       |
| THEO 400 Living in Christ       | 4       | General Elective             | 4       |
| General Elective                | 4       | General Elective             | 4       |
| Total                           | 16      | Total                        | 16      |

# Theology

Chair: Dr. Michael Dauphinais, Professor of Theology

The Major in Theology seeks to assist students in their development towards union with God, the Blessed Trinity. Through natural revelation, God manifests Himself in creation to human reason in its natural operation. Through supernatural revelation, He manifests Himself in and through this same creation but in such a way as to reveal new, intimate depths of His Being and plan that surpass our natural power of knowing. This superhuman revelation – received by means of the gift of supernatural faith – is transmitted to us through Sacred Scripture, the living Tradition of the Church, and the authentic Magisterium. Through their courses in theology, (and always in a deeply cooperative symbiosis with the perennial philosophy) the students will carefully investigate God as revealed through faith. Courses THEO 105 and 205 are prerequisites to all upper-level courses.

## Student Learning Goals and Outcomes for the Major in Theology.

Goal 1: Upon completion of the program, students will be able to demonstrate a basic understanding of the truths of the Catholic Faith as outlined in the Catechism of the Catholic Church.

Outcome 1: In Systematic Theology, the student will be able to demonstrate a deep familiarity with the doctrines enunciated in “Part One: the Profession of Faith” which is based on the Nicene Creed.

Outcome 2: In Sacramental Theology, the student will be able to demonstrate a knowledge of the Pascal Mystery and its salvific effects conferred through the sacraments of the Church.

Outcome 3: In Moral Theology, the student will be able to manifest a familiarity with the essentials of the Church’s teaching on man’s supernatural vocation and the moral principles whereby we are guided to eternal life.

Outcome 4: In Spiritual Theology, the student will be able to demonstrate knowledge of some major spiritual author of the Christian tradition.

Outcome 5: The student will be able to demonstrate a theological habit of mind characterized by a sapiential approach to the profound mystery of who God is.

Outcome 6: The student will participate in the sacramental life of the Church.

Goal 2: Upon completion of the program, students will be prepared to enter graduate school in theology, seminary and the lay apostolate.

Outcome 7: Graduates seeking admission to graduate schools and seminaries will be accepted.

Outcome 8: Interested graduates will obtain positions in other apostolic activities of the Church.

## Core Courses

THEO 105 Sacred Scripture

THEO 205 Sacred Doctrine

THEO 206 Creation and Grace

THEO 305 Moral Theology (for majors)

### Required Courses for the Major

THEO 306 Catholic Spirituality or THEO 409 Christian Marriage: Theology of the Body

THEO 307 Sacraments

THEO 309 Christ and His Church

THEO 405 Triune God

THEO 490 Senior Seminar

### Elective Major Courses (two required)

Any THEO courses at the 300 or 400 level.

### Minor in Theology

A minor in theology is available. The student must complete four courses in theology in addition to the three Core theology requirements. One core requirement may be satisfied by taking THEO 305, THEO 315, THEO 390, or THEO 400.

### Minor in Catechetics

The Minor in Catechetics seeks to assist students first to a more profound understanding of the Catholic Faith as it is transmitted to us through Sacred Scripture, the living Tradition of the Church and the authentic proclamation of the Magisterium. Second, the concentration also aims to begin to prepare students to work in religious education programs in Catholic schools and parishes as well as assisting with programs designed for college students and youth ministry. Students who have graduated in this concentration can expect that they will be able to fulfill the words of Pope John Paul II in his Apostolic Exhortation *Catechesi Tradendae*: "Every catechist should be able to apply to himself the mysterious words of Jesus: 'My teaching is not mine, but his who sent me.'" (CT 36; John 7:16).

### Required Courses

EDUC 201 Educational Foundations

PSYC 301 Human Development and Learning

THEO 250 Foundations of Catechesis

THEO 350 Catechesis in the Church

Theology Elective in Apologetics

### Course Descriptions

#### THEO 105 SACRED SCRIPTURE

This course serves as the first theology course in the Core Curriculum. Since God is the primary author of Scripture, the soul of sacred theology is the study of the sacred page. This course has a twofold goal: to introduce students to the principles of authentic Catholic biblical exegesis, and to explore how God, the Creator, has acted through his covenants to draw his people, disordered by the Fall, back to himself. The course begins by examining the principles of Catholic exegesis as set forth definitively by *Dei Verbum* and the *Catechism of the Catholic Church*. We then undertake a careful reading of large segments of the Old and New Testaments, with an emphasis on the unity of Scripture. (4 credits)

**THEO 205 SACRED DOCTRINE**

This course serves as the second theology course in the Core Curriculum. Building upon the scriptural foundation of the previous required course in Sacred Scripture, this course is an introduction to dogmatic Catholic theology. Particular attention will be given to natural and divine revelation, the modes of transmission of divine revelation, the essential doctrines of the faith, the moral life and the sacraments. (4 credits)

**THEO 206 CREATION AND GRACE**

The course investigates God's transformation of the cosmos through the mystery of grace. Special attention will be given to sanctifying grace, the virtues, and the gifts of the Holy Spirit. (4 credits)

**THEO 250 FOUNDATIONS OF CATECHESIS**

Beginning with the early Church and continuing through our own time, this course will explore the nature of catechesis through important catechetical texts which describe the rich tradition of the formation of Christian disciples and the handing on of our Catholic faith through word and sacrament. Because all catechesis is directed toward attaining intimacy with Christ (Catechesi Tradendae 5) and sacramental initiation, the christocentric and ecclesial dimensions of catechesis will be explored and emphasized. Course readings elucidate the dynamic relationship between catechesis, evangelization and conversion. These readings include the Didache, St. Augustine's First Catechetical Instruction; St. Cyril of Jerusalem's Catechetical and Mystagogical Sermons; Sermons by St. Gregory the Great, St. Peter Canisius and contemporary papal teaching including Evangelii Nuntiandi, Catechesi Tradendae and Novo Millennio Inuente, as well as the General Directory for Catechesis. Prerequisites: THEO 105, THEO 205. (4 credits)

**THEO 305 MORAL THEOLOGY**

By examining the beatitudes, human actions, the moral and theological virtues, the gifts of the Holy Spirit, and natural and divine law, this course will investigate how Christians are conformed to Christ in their lives. Required texts include St. Augustine's *Confessions* and selections from St. Thomas Aquinas's *Summa theologiae*. This course satisfies the third theology core requirement for students majoring or minoring in theology. Prerequisites: THEO 105, THEO 205, PHIL 205 and PHIL 206. (4 credits)

**THEO 306 CATHOLIC SPIRITUALITY**

The purpose of this course is to provide an introduction to the wealth of theological resources available in the Catholic tradition in the area of spirituality. The course will provide an overview of the spiritual teachings of the great Doctors of the Church. (4 credits)

**THEO 307 SACRAMENTS**

The seven sacraments are the divinizing work of Christ in His Church. This course will explore the nature and effects of each of the sacraments, along with their interrelationship. (4 credits)

**THEO 309 CHRIST AND HIS CHURCH**

This course leads the student more profoundly into the mystery of the incarnate Son of God and His bride, the Church. Topics to be treated include the metaphysics of the Incarnation and the mysteries of Christ's life in His Church through the action of the Holy Spirit. Central to this course will be the investigation of key texts from the entire Tradition. Authors may include St. Athanasius, St. Augustine, St. John Damascene, St. Thomas Aquinas, Cardinal John Henry Newman, Fr. Matthias Scheeben, St. Therese of Lisieux, among others. (4 credits)

**THEO 315 CATHOLIC SOCIAL TEACHING**

A study of the interrelation of ethics, and economics, focusing on the key principles of Catholic social teaching on the economy. The course examines closely the major papal encyclicals as the major premises of the course and it compares it

to thinking on ethics by economists. Texts of other writers are included: Augustine, Aquinas, Fanfani, Novak, and others. Magisterial teaching and the theoretical work of these authors will be applied to historical and contemporary economic issues. Cross-listed with ECON 315. (4 credits)

#### THEO 350 CATECHESIS IN THE CHURCH

The restoration of the Catechumenate after the Second Vatican Council and the beginning of the RCIA process has brought about tremendous renewal in catechesis and has helped to foster an ever growing number of adult conversions into the Church. The annual celebration of the awe-inspiring Sacraments of Christian Initiation at the Easter Vigil, and the Rites leading up to this celebration, has become a focal point for catechists everywhere. This course will explore the dynamic nature of the RCIA process with its four stages, and the catechetical methodology that is appropriate to each stage. The course will further explore the nature of post-baptismal catechesis and consider successful pedagogies for the evangelization and catechesis of children, youth, and adults. Special emphasis will be given to the exploration of vibrant diocesan and parish catechetical programs as first fruits of new evangelization. Readings for this course typically include the RCIA Study Edition, *Catechesi Tradendae*, Catechetical Documents and *The Mystery We Proclaim*. Prerequisites: THEO 105, THEO 205. (4 credits)

#### THEO 370 C. S. LEWIS: THEOLOGICAL APOLOGETICS

This course immerses students within the theological apologetics depicted in the fiction and non-fiction works of C. S. Lewis, one of the 20th century's great Christian writers. The students will learn to reflect more deeply upon fundamental theological areas of study, such as God, Creation, the Fall, Redemption, Anthropology, Morality, and Eschatology, while also learning to give an account of the Christian faith (cf. 1 Pet 3:15) in the midst of an often uncomprehending and, at times, hostile audience. Attention will be paid to the connection between Lewis' writings and philosophical and theological authors both within and without the Christian tradition. (4 credits)

#### THEO 380 CHRISTIAN MARRIAGE

This course examines the reality of Christian marriage from biblical, historical, doctrinal, liturgical, and pastoral perspectives. The course includes major historical and contemporary texts as well as papal and conciliar teachings. Students will consider marriage in terms of the Catholic understanding of human sexuality, problems associated with marriage and sex in human societies, and marriage as a natural and sacramental phenomenon. The content and the direction of this course will be dictated by the Catholic, sacramental understanding of marriage. (4 credits)

#### THEO 390 CATHOLIC BIOETHICS

Students will be taught to identify, understand and apply philosophical, theological and scientific resources as an aid to making sound moral judgments in the bio-medical arena, and then to apply these resources to defend the dignity of the human person and the respect for life from conception until natural death. Students will examine the relationships among ethical principles, professional codes of ethics, and the legal standards as these together influence the practice of health care professionals in the care of the sick and suffering. Drawing upon theological and philosophical resources as the ground of human dignity, students will be equipped to evaluate clinical practices, scientific research, and institutional policies. Based on an authentic Catholic culture and doctrinal commitments, students will be taught to approach life, suffering, healing and death in light of the person, ministry and mission of Jesus Christ. (4 credits)

#### THEO 400 LIVING IN CHRIST: MORAL THEOLOGY

This course serves as the third theology course for the Core Curriculum. By examining the beatitudes, human actions, the moral and theological virtues, the gifts of the Holy Spirit, and natural and divine law, this course will investigate how Christians are conformed to Christ in their lives. Required texts include St. Augustine's *Confessions* and selections from St. Thomas Aquinas's *Summa theologiae*. Prerequisites: THEO 105, THEO 205; PHIL 205 and PHIL 206. (4 credits)

#### THEO 405 TRIUNE GOD

This course is an invitation to contemplation of the highest mystery of Christian faith, the Holy Trinity. By examining the works of select Doctors of the Church as well as the Catechism of the Catholic Church, we will arrive at a more profound wisdom and love for the Triune God we worship. (4 credits)

#### THEO 409 CHRISTIAN MARRIAGE: THEOLOGY OF THE BODY

This course provides a grasp of the essential elements of the Catholic understanding of marriage; an understanding of the key teachings of Pope John Paul II's Theology of the Body; a capacity to apply these teachings to one's own personal experience; an insight into obstacles in our culture against the Catholic understanding; an ability to argue for the Catholic understanding with sensitivity and compassion; an increased facility in articulating the Catholic understanding in writing; and a sapiential appreciation of the place of the truths about marriage in theology. (4 credits)

#### THEO 411 ADVANCED SCRIPTURE

This course will examine in detail one of the constitutive portions of Sacred Scripture. Topics to be treated may include the Pentateuch, Prophets, Wisdom, Literature, Holy Gospels, Epistles, and Revelation. (4 credits)

#### THEO 412 MARY, MOTHER OF GOD

The course studies the Blessed Virgin Mary, Mother of God, in the Scriptures and Tradition of the Church. We will examine what the Church has professed about Mary in theology, history, liturgy, and spirituality, as well as in ecumenical perspective. (4 credits)

#### THEO 414 ST. THOMAS AQUINAS

In this course, the central doctrines of Aquinas will be presented. Select passages from his work will be investigated to familiarize the student with the principles of his thought. (4 credits)

#### THEO 415 SPECIAL TOPICS

Other theology courses may be offered under Special Topics including, but not limited to, Canon Law, Ascetical and Mystical Theology, Catholic Bioethics, and Apologetics. (4 credits)

#### THEO 490 SENIOR SEMINAR

As the final course in the theology sequence, the senior seminar is designed for and required of all theology majors. In a seminar format, students examine a topic in depth and prepare a research project to be presented at the end of the semester. (4 credits)

## Typical Plan—Theology (B.A.)

### Freshman Year

| <u>Fall Semester</u>               | <u>Credits</u> | <u>Spring Semester</u>              | <u>Credits</u> |
|------------------------------------|----------------|-------------------------------------|----------------|
| THEO 105 Sacred Scripture          | 4              | THEO 205 Sacred Doctrine            | 4              |
| COMP 101 Composition*              | 4              | MATH 110, 120, 150, or 151*         | 4              |
| CORE 101 Western Civ and Culture I | 4              | CORE 102 Western Civ and Culture II | 4              |
| LATN 101 Elementary Latin          | 4              | LATN 102 Intermediate Latin         | 4              |
| Total                              | 16             | Total                               | 16             |

### Sophomore Year

| <u>Fall Semester</u>        | <u>Credits</u> | <u>Spring Semester</u>         | <u>Credits</u> |
|-----------------------------|----------------|--------------------------------|----------------|
| PHIL 205 Nature and Person  | 4              | PHIL 206 Ethics                | 4              |
| THEO 206 Creation and Grace | 4              | THEO 309 Christ and His Church | 4              |
| Science I with Lab          | 4              | Science II with Lab            | 4              |
| General Elective            | 4              | POLT 203 American Civilization | 4              |
| Total                       | 16             | Total                          | 16             |

### Junior Year

| <u>Fall Semester</u>    | <u>Credits</u> | <u>Spring Semester</u> | <u>Credits</u> |
|-------------------------|----------------|------------------------|----------------|
| THEO 305 Moral Theology | 4              | THEO 307 Sacraments    | 4              |
| THEO 306 or 409         | 4              | Theology Elective      | 4              |
| General Elective        | 4              | General Elective       | 4              |
| General Elective        | 4              | General Elective       | 4              |
| Total                   | 16             | Total                  | 16             |

### Senior Year

| <u>Fall Semester</u> | <u>Credits</u> | <u>Spring Semester</u>  | <u>Credits</u> |
|----------------------|----------------|-------------------------|----------------|
| THEO 405 Triune God  | 4              | THEO 490 Senior Seminar | 4              |
| Theology Elective    | 4              | General Elective        | 4              |
| General Elective     | 4              | General Elective        | 4              |
| General Elective     | 4              | General Elective        | 4              |
| Total                | 16             | Total                   | 16             |

\*COMP 101 and MATH requirement may be taken either Fall or Spring semester.



## Additional Minors and Academic Courses

### Minors

#### Minor in Family and Society

Pope John Paul II wrote: "Since God's plan for marriage and the family touches men and women in the concreteness of their daily existence in specific social and cultural situations, the Church ought to apply herself to understanding the situations within which marriage and the family are lived today, in order to fulfill her task of serving" (*Familiaris Consortio*). The Minor in Family and Society aids students by equipping them with the analytical skills necessary to understand the situation of the family in the modern world. Students may enter the family studies program from any major, e.g., economics, history, politics, philosophy, psychology, and business.

#### Required Courses

ECON 250 Family, Gender, and Society

THEO 315 Catholic Social Teaching

PHIL 310 Philosophy of Love

PSYC 205 Foundations of Psychology as a Human Science

THEO 380 Christian Marriage or THEO 409 Christian Marriage: Theology of the Body

#### Any one of the following electives

EDUC 201 Educational Foundations

PSYC 301 Human Development and Learning

PSYC 320 Social Psychology

Or as approved by the program director and Dean of Faculty

#### Minor in Spanish

#### Required Courses

SPAN 101 Elementary Spanish

SPAN 102 Intermediate Spanish

SPAN 203 Survey of Spanish Literature and Cultures

SPAN 204 Survey of Latin American Literature and Cultures

Two additional advanced electives in Spanish (EDUC 350 ESOL: Curriculum and Methods may count as one of these electives).

#### SPAN 203 SURVEY OF SPANISH LITERATURE AND CULTURES

This course aims to provide a sample of the richness of the Spanish culture and insight into its art and social and political history, through texts and topics chosen for their accessibility to Intermediate Spanish undergraduates. We will examine the themes and ideals that shaped Spanish literature and thought from the Middle Age through the Neoclassical Period. Some of the topics are: the role of the hero and male identity, the contact and conflict between the three great world faiths, Christianity, Islam, and Judaism, the racist ideology behind the concept and statutes of "limpieza de sangre", and attitudes towards love (courtly love). Prerequisites: SPAN 101, SPAN 102, or permission of instructor. (4 credits)

**SPAN 204 SURVEY OF LATIN AMERICAN LITERATURE AND CULTURES**

This course focuses on the study of Latin American literature from its inception to the present. It covers a wide range of authors from many countries and the student is expected to know the country the author represents as well as the place he or she holds with respect to world literary, philosophical and political movements. The works selected are not to be studied inclusively, but rather with emphasis on their importance as representatives of a given type or period of literature. This course will give students a broad, general knowledge of the development of major literary trends in Latin America. The material read will be discussed in terms of sociopolitical influences found within the works, and in terms of structure, style and literary genre. Thus, the student taking this course should receive a through exposure to basic literary movements such as romanticism, realism, naturalism, and modernism and know the philosophical systems underlying them. Prerequisites: SPAN 101, SPAN 102, or permission of instructor. (4 credits)

**SPAN 415 SPECIAL TOPICS**

The topics for this seminar vary. They are determined by faculty and students interests. (4 credits)

**Pre-law**

Law schools will accept any undergraduate concentration. They desire a broad range of study, excellence in work, and a strong ability to read and write. Ave Maria encourages students who desire to apply to law schools to complete courses in politics, economics, and history. Schools require applicants to take the Law School Admission Test (LSAT). Students can get individualized direction from the Pre-law advisor, Dr. Seana Sugrue. The University sponsors opportunities for lectures, meetings, and other opportunities for students considering a career in law.

The University also enjoys a close relationship with the Ave Maria School of Law in Naples, Florida. Although the Ave Maria School of Law is an independent institution, members of its faculty and admission staff routinely visit the University in order to assist undergraduate students in learning more about law school and the legal profession in general.

The Patrick F. Taylor

## Graduate Programs in Theology

Chair and Director of the Ph.D. Program: Dr. Michael Dauphinais

Director of the M.A. Program: Dr. Gerald Boersma

### Mission

The Patrick F. Taylor Graduate Programs in Theology challenge students to open their minds and hearts to Jesus Christ, our one Teacher, who as Word of the Father illumines all reality. To study Catholic theology on the graduate level is to “learn Christ” (Eph 4:20) in the company of the saints and scholars who over the millennia have contributed to the quest for holiness, knowledge, and wisdom. Guided by a highly qualified faculty, graduate students at Ave Maria University have the opportunity to read deeply in Sacred Scripture, the Church Fathers, and St. Thomas Aquinas. The Theology Department serves the University’s mission by offering graduate programs that are faithful to the Magisterium of the Catholic Church and academically rigorous. Over against the fragmentation of theology in contemporary academia, our programs inculcate an appreciation for the unity of theological and philosophical wisdom and the coherence of the truths of the faith. They emphasize a contemplative pattern of study that grounds the student in the tradition of speculative wisdom, with its unified vision of God’s creative and redemptive plan. In accord with the University’s mission, the graduate programs respond to the needs of Church and society by educating the next generation of Catholic educators.

### Graduate Theology Faculty and Staff

Gerald Boersma, Ph.D., Associate Professor

Michael Dauphinais, Ph.D., Professor

Fr. Robert Garrity, S.T.D., Assistant Professor

Steven Long, Ph.D., Professor

Fr. Guy Mansini, S.T.D., Max Seckler Chair of Theology

Gina Noia, Ph.D., Assistant Professor

Roger Nutt, S.T.D., Associate Professor

James Prothro, Ph.D., Assistant Professor

Thomas Scheck, Ph.D., Associate Professor

Adam Van Wart, Ph.D., Assistant Professor

Jeffery Walkey, Ph.D. (candidate), Assistant Professor

### Contact Information

Graduate Theology  
Ave Maria University  
5050 Ave Maria Blvd.  
Ave Maria, FL 34142

Dr. Dauphinais (Ph.D. director): (239) 280-2538  
Dr. Gerald Boersma (M.A. director): (239) 304-7910  
Email: [graduatetheology@avemaria.edu](mailto:graduatetheology@avemaria.edu)

### Tuition and Fees for the 2018-2019 Academic Year

Graduate Tuition: \$564 per credit or \$13,536 for full-time academic year (12 credits per semester)

Technology Fee: \$210 per year

Activities fee: \$106 per year

## Housing and Food

Limited graduate student housing is available near campus. Graduate students may purchase a meal plan or individual meals from the dining facility on campus.

## Grading Scale and Quality Points

|    |     |     |    |            |     |
|----|-----|-----|----|------------|-----|
| A  | 93% | 4.0 | C  | 73%        | 2.0 |
| A- | 90% | 3.7 | F  | <73%       | 0.0 |
| B+ | 87% | 3.3 | AU | Audit      |     |
| B  | 83% | 3.0 | I  | Incomplete |     |
| B- | 80% | 2.7 | P  | Pass       |     |
| C+ | 77% | 2.3 | W  | Withdrew   |     |

Incompletes will be granted only when circumstances beyond the student's control interfere with timely completion of coursework. An "I" will be changed to an "F" if the coursework is not completed by the last day for submitting grades of the subsequent Fall or Spring semester. The grade of "W"—which does not affect the GPA, but does impact financial aid—is only given when the student withdraws before the last date to withdraw. After that point, a grade of "F" is given. Language proficiency exams are graded on a Pass/Fail basis and do not affect the GPA.

## Transfer Credits

Upon approval of the program director, a maximum of 24 graduate credits may be transferred from similar programs at accredited institutions. At the time of application it is the responsibility of the student to petition the director for the transfer of credit and to supply documentation and description of the course(s) for which credit is sought. The student must have received a grade of B- or higher in the course(s) in question for a transfer of credits to be considered.

## Academic Honor Code

The Ave Maria University Academic Honor Code (above in this Catalogue) applies in its entirety to graduate students as well as to undergraduates.

## Application for Graduation

Candidates for a M.A. or Ph.D. degree must submit a degree application form and the graduation fee of \$155 early in the semester in which they intend to graduate. Application to Graduate Forms are available from the Registrar's Office. Approvals are required by the program director.

## Institutional Policies and Procedures

Unless otherwise specified in this Catalogue, the undergraduate student life and academic policies and procedures of the University apply to the students enrolled in the graduate programs. This includes, but is not limited to, policies and procedures established by the Offices of Financial Aid, Bursar, Registrar, Student Life, Residence Life, Campus Security, and Library.

# Master of Arts (M.A.) in Theology

## Student Learning Goal and Outcomes

**Goal:** Graduates of the M.A. Program will be well formed in the theological tradition of the Catholic Church, possess the habit and unified vision of theological wisdom, and either be accepted into doctoral programs or find employment in the Church's pastoral and educational institutions, or similar non-Catholic institutions.

**Outcome 1:** Students will exhibit a clear understanding of the Catholic Church's approach to Sacred Scripture and familiarity with the Old and New Testaments.

**Outcome 2:** Students will exhibit a clear understanding of the principles of Catholic moral theology and knowledge of the Church's moral doctrine.

**Outcome 3:** Students will exhibit a thorough knowledge of Catholic systematic-dogmatic theology and familiarity with classic patristic, medieval, and modern theological texts.

**Outcome 4:** Students will exhibit a suitable level of reading proficiency in Latin.

**Outcome 5:** Students will derive spiritual benefit from the University's sacramental life and retreat opportunities, especially as this bears on their theological formation.

**Outcome 6:** Students will exhibit the habit and unified vision of theological wisdom.

## Admission Requirements and Scholarships

Applicants to the M.A. Program must possess a bachelor's degree and must submit:

1. Academic writing sample of theological or philosophical nature (minimum five pages)
2. Seal-bearing transcripts (from all institutions attended)
3. Completed online application
4. Two letters of recommendation
5. Statement of intent (500 words): brief intellectual autobiography, academic interests and goals, and Christian-ecclesial commitment
6. Description of professional and academic experience
7. TOEFL Score Report from ETS (for international applicant if English is not the first language)

Optional Submission: Official GRE Score Report from ETS

A limited number of merit-based scholarships will be offered to outstanding applicants.

## Program Requirements

The requirements listed below are typically completed during a two-year residency. All required courses and most electives are 4 credit hours each.

1. 48 credit hours of graduate theology courses, maintaining a GPA of 2.7 or higher
2. Eight required courses (32 credits): THEO 501, 502, 523, 525, 527, 552, 553 and 599
3. Four electives (16 credits), subject to approval of the program director (500-level courses in Theological Latin, Theological Greek, or Theological Hebrew may be taken as electives)
4. Latin reading proficiency, demonstrated by the proficiency exam or approved AMU courses (with a grade of B- or higher)
5. M.A. Thesis (THEO 599), including oral presentation, on an approved topic

Students normally enter the program with some undergraduate coursework in theology and philosophy. Those judged to have significant lacunae in their prior academic formation will be directed to take courses that complement the M.A. curriculum. Students are encouraged to take advantage of the sacramental and spiritual life of the University as an integral element in their theological formation.

## Typical Plan of Study

### Year One

#### Fall Semester

THEO 501 Old Testament

THEO 523 Triune God

THEO 552 Fundamental Moral Theology\*

#### Spring Semester

THEO 502 New Testament

THEO 525 Christ and His Church

THEO 527 Sacraments\*

### Year Two

THEO 553 Systematic Theology and Eschatology

Graduate Theology Elective

Graduate Theology Elective

THEO 599 M.A. Thesis

Graduate Theology Elective

Graduate Theology Elective

\*With the approval of the program director, THEO 552 and/or THEO 527 can be deferred to Year Two and replaced with electives. Students who enter the program with little or no Latin should take THEO 509 and 510 Theological Latin I and II as electives during Year One.

## Conditions of Enrollment

Continuance in the program is subject to faculty review each semester. Students must be in good academic standing (GPA of 2.7 or higher) to continue and to maintain any scholarship or financial aid.

The "Application for M.A. Degree" form is available from the registrar. It must be returned to the registrar, along with a check in the amount of the graduation fee, early in the semester in which the student intends to graduate.

## Five-Year Theology B.A. / M.A. Program (4+1)

Ave Maria University offers a 4+1, B.A., M.A. program for undergraduate majors in theology.

Interested students should receive permission to enter the five-year (4+1) program from the director of the undergraduate program in theology during their junior year and begin planning their coursework with their advisor at that time. Students in the B.A., M.A. five-year program will begin taking graduate-level courses during their junior and senior year. Students are encouraged to complete a minor in Philosophy or Classics by the end of the fourth year, but are still eligible for the five-year program without the minor.

A formal application to the Master's program is to be completed in the fall of the senior year. Students do not become degree-seeking M.A. students until they have been accepted into the M.A. program and have completed their B.A. degree.

The successful completion of the B.A. component of the five-year program includes: the completion of 128 credits of coursework satisfying all Ave Maria University core requirements and course requirements specific to the five-year program by the end of the fourth year of study (with a 16-credit cap on graduate level credits taken before the successful completion of the B.A.). The successful completion of the M.A. component of the five-year program includes: the successful completion of 32 additional credit hours while enrolled at the graduate-level and of requirements specified by the five-year plan (48 total graduate-level credit hours during the 5 years). As a result, students in the five-year program will earn both a B.A. and an M.A. in Theology (classes in bold).

## Typical Plan of Study

### Freshman Year

#### Fall Semester

THEO 105 Sacred Scripture  
COMP 101 Composition  
CORE 101 Western Civ and Culture I  
LATN 101 Elementary Latin

#### Spring Semester

THEO 205 Sacred Doctrine  
MATH 110, MATH 120, MATH 150, or MATH 151  
CORE 102 Western Civ and Culture II  
LATN 102 Intermediate Latin

### Sophomore Year

THEO 206 Creation and Grace  
PHIL 205 Nature and Person  
Science with Lab  
General Elective\*\*\*

THEO 309 Christ and His Church\*\*  
PHIL 206 Ethics  
POLT 203 American Civilization  
Science with Lab

### Junior Year

THEO 305 Moral Theology  
THEO 306 or THEO 409  
General Elective  
General Elective

**THEO 307/THEO 527 Sacraments\*\***  
Theology Elective  
General Elective\*\*\*  
General Elective

### Senior Year

**THEO 405/523 Triune God\*\***  
**THEO 501 Old Testament**  
Theology Elective  
General Elective

THEO 490 Senior Seminar  
**THEO 502 New Testament**  
General Elective  
General Elective

Fifth Year

**THEO 552 Fundamental Moral Theology**

**THEO 553 Systematic Theology and Eschatology**

**Graduate Theology Elective (or THEO 509)**

**Graduate Theology Elective**

**THEO 599 M.A. Thesis**

**THEO 525 Christ and His Church**

**Graduate Theology Elective (or THEO 510)**

**Graduate Theology Elective**

\*Students in the five-year MA program have a 16 credit cap on graduate level credits before graduating with a BA.

\*\*Note that students may take THEO 309 at the MA level as THEO 525 in their junior or senior year instead of taking THEO 307 or 405 at the MA level. If THEO 309 is taken in the sophomore year, it may not be taken at the MA level.

\*\*\*Students are encouraged to take LATN 203 in the fall of sophomore year and PHIL 401 in the spring of junior year, but are still eligible for the five-year program without those courses.



# Doctor of Philosophy (Ph.D.) in Theology

## Student Learning Goal and Outcomes

**Goal:** Graduates of the Ph.D. Program will be conversant in the Catholic theological tradition, will possess the skills needed to do specialized research, writing, and teaching in the speculative disciplines of biblical, moral, or systematic theology, will possess the habit and unified vision of theological wisdom, and will obtain faculty positions in Catholic or non-Catholic institutions of higher education.

**Outcome 1:** Doctoral candidates will exhibit a suitable level of reading proficiency in Latin, Greek, and one modern language (French, German, or Italian).

**Outcome 2:** Doctoral candidates will exhibit an authentically Catholic approach to biblical exegesis and the ability to draw upon Scripture in their theological work.

**Outcome 3:** Doctoral candidates will exhibit both breadth and depth of learning in patristic, medieval, and modern theological texts.

**Outcome 4:** In their theological work, doctoral candidates will demonstrate the sapiential unity of theology and the dialectic of ancients and moderns.

**Outcome 5:** Doctoral candidates will draw upon contemporary scholarly literature with facility, engage it judiciously, and cite it properly.

**Outcome 6:** Doctoral candidates will write lucidly and argue cogently, using grammar and diction suitable for academic publication.

## Admission Requirements and Financial Aid

Applicants to the Ph.D. Program must possess an M.A. in Theology or a related discipline (such as Philosophy or Classical Languages) and should have completed at least 12 credits of undergraduate or graduate coursework in philosophy. They must submit:

1. Official GRE Score Report from ETS
2. Seal-bearing transcripts (from all institutions attended)
3. Completed online application with \$50 application fee
4. Three letters of recommendation
5. Statement of intent (1500-words): intellectual autobiography, academic/research interests and goals, and Christian-ecclesial commitment
6. Description of professional and academic experience
7. Academic writing sample of theological or philosophical nature (minimum 8 pages)
8. TOEFL Score Report from ETS (for international applicant if English is not the first language)

Those accepted into the program may be offered a tuition scholarship and/or stipend for research/teaching assistantships. Regardless, all students must pay the technology fee, the activities fee, and the graduation fee.

## Program Requirements

1. Twelve doctoral-level theology courses (48 credits), maintaining a GPA of 3.0 or higher:
  - a. Four courses (16 credits) in candidate's major (biblical, systematic or moral)
  - b. Three courses (12 credits) in candidate's minor (biblical, systematic, or moral)
  - c. Two courses (8 credits) in the remaining area (biblical, systematic, or moral)
  - d. Required colloquia (8 credits): THEO 691 Ancients, THEO 692 Moderns
  - e. One additional course (4 credits)
2. Reading proficiency in Latin, Greek, and one modern language (French, German, or Italian), demonstrated by proficiency exams or approved AMU courses (with a grade of B- or higher)
3. Successful completion of oral and written comprehensive exams
4. Successful defense of an approved dissertation
5. Additional requirements for the biblical major:
  - a. THEO 515 and THEO 516 Theological Biblical Hebrew I and II (or demonstrated proficiency)
  - b. THEO 609 Biblical Hebrew Exegesis or THEO 610 Biblical Greek Exegesis (which counts as the "one additional course")

Choosing the biblical major is contingent upon the program director's approval. Realistically, the candidate needs to enter the program with proficiency in at least one or two of the requisite languages in order to complete the course work for the biblical major in two years.

Candidates who are judged to have significant lacunae in their prior academic formation in theology or philosophy will be directed to take courses that complement the Ph.D. curriculum.

## Plan of Study

The above requirements are normally to be completed during a four-year residency, as follows:

### *Years One and Two*

Complete all required coursework and language proficiency courses or exams. By the end of Year Two, schedule comprehensive exams with approval of the director. Fulfill all assigned research and teaching assistantship requirements.

### *Year Three*

Register for THEO 699: Residential Research and Dissertation (1 credit). Continue to fulfill all research and teaching assistantship requirements. Complete comprehensive exams and submit dissertation proposal for approval.

### *Year Four*

Register for THEO 699. Continue to fulfill all research and teaching assistantship requirements. Complete and defend the dissertation. The "Application for Ph.D. Degree" form is available from the registrar. It must be returned to the registrar, along with a check in the amount of the graduation fee, early in the semester in which the student intends to graduate.

## Terms of the Residency

Throughout the residency candidates are expected to maintain full-time status and to devote themselves to studies as to a full-time occupation. They are encouraged to take advantage of the sacramental and spiritual life of the University as an integral element in their theological formation.

If the dissertation has not been successfully defended by the last day of August following Year Four, the candidate will need to register for THEO 698: Non-residential Research and Dissertation, and pay tuition (1 credit hour) and any applicable fees, for each subsequent semester, in order to remain enrolled in the program until the dissertation has been successfully defended. The faculty is under no obligation to accept for defense any draft of a dissertation submitted more than eight years after matriculation.

## Continuance in the Program and Leaves of Absence

Continuance in the program is subject to faculty review each semester.

At the minimum, candidates must maintain good academic standing (GPA of 3.0 or higher). If a candidate receives a final grade of C+ or lower in any course, he or she will be required to retake the course or, at the program director's discretion, to resubmit selected assignments. A candidate who receives two or more grades of C+ or lower in a single academic year will be discontinued from the program.

If personal circumstances require the interruption of studies, the student should inform the program director immediately and must apply for a leave of absence. At the director's discretion, a leave may be granted for a fixed period. A student who interrupts studies without an approved leave of absence is considered to have withdrawn from the program and must reapply if he or she wishes to return.

## Course Descriptions

### THEO 500A PRINCIPLES OF BIBLICAL THEOLOGY

This course serves as a graduate-level introduction to the Catholic Bible. Since God is the primary author of Scripture, the soul of sacred theology is the study of the sacred page. This course has a twofold goal: to introduce students to the principles of authentic Catholic biblical exegesis, and to explore how God, the Creator, has acted through his covenants to draw his people, disordered by the Fall, back to himself. The course includes the principles of Catholic exegesis as set forth definitively by *Dei Verbum* and the *Catechism of the Catholic Church* and also undertakes a careful reading of large segments of the Old and New Testaments, with an emphasis on the unity of Scripture. This course is only offered in an online modality. (4 credits)

### THEO 500B PRINCIPLES OF DOGMATIC THEOLOGY

This course serves as a graduate-level introduction to Catholic theology. Complementing the scriptural foundation of the required course in Sacred Scripture, this course is an introduction to dogmatic Catholic theology. The course includes study of biblical texts, patristic authors, St. Thomas Aquinas, the teachings of the councils and the magisterium of the Catholic Church, as well as contemporary theologians. Attention will be given to philosophical considerations, natural and divine revelation, the modes of transmission of divine revelation, the essential doctrines of the faith, the moral life, and the sacraments. This course is only offered in an online modality. (4 credits)

### THEO 501 OLD TESTAMENT

The Old Testament is “an indispensable part of Sacred Scripture” that “retains its own intrinsic value as Revelation” (CCC §§ 121, 129). Integrating the best methods and tools of modern biblical scholarship with the luminous principles of the Church’s rich exegetical tradition and magisterial documents, this course respects both the ancient Israelite historical-theological context of these inspired texts and their prophetic function within the Christian canon. It will assist the student in making the reading of Scripture an integral part of the sapiential and contemplative study of theology that the M. A. program attempts to foster. (4 credits)

### THEO 502 NEW TESTAMENT

The New Testament recounts the culmination of sacred history and of the “divine pedagogy” (CCC § 53) in the *mysteria vitae Iesu* and the founding of his Church. This course presents the New Testament writings as a diverse but unified theological witness to these “divinely revealed realities” (DV § 11). It elucidates their literary character without compromising their historical reliability, and it reads them within the rich cultural matrix of Greco-Roman Judaism of the first century A.D. without losing sight of the fact that they belong to the Church for all ages. The course fosters a seamless integration of exegesis, theology, and contemplation. (4 credits)

### THEO 509 THEOLOGICAL LATIN I

This course provides an opportunity for motivated students with little or no prior study of Latin to move rapidly but thoroughly through the forms and grammatical principles of the language. It also provides a comprehensive review for students with two years of Latin at the high school level. It is recommended for undergraduate students who intend to major in Classics. (4 credits)

### THEO 510 THEOLOGICAL LATIN II

This course is a continuation of THEO 509. It completes the study of all major grammatical constructions and introduces the student to the reading of longer, continuous Latin texts from the classical period. It is designed for students intending to continue the study of Latin at an advanced level. Prerequisite: THEO 509. (4 credits)

### THEO 513 THEOLOGICAL GREEK I

This course equips the student with the basic grammatical rules and elementary vocabulary needed to read Classical, Biblical, and Patristic Greek texts, thereby providing the foundation for scholarly exegetical study of both the Bible and Greek Fathers of the Church. (4 credits)

### THEO 514 THEOLOGICAL GREEK II

This course deepens the student’s training in the grammar and vocabulary of Classical, Biblical and Patristic Greek. Further and more extensive readings in Greek philosophical and theological texts are provided. Prerequisite: THEO 513. (4 credits)

### THEO 515 THEOLOGICAL HEBREW I

The student will master the writing system and pronunciation of Classical Biblical Hebrew, the morphology of nouns, adjectives, and regular verbs (Qal, Niphal, Piel, Pual, and Hithpaël stems), and the basics of clause-level prose syntax, and will also memorize (for Hebrew to English recall) approximately 275 vocabulary items (Ross, *Introducing Biblical Hebrew*, lessons 1-28). (4 credits)

### THEO 516 THEOLOGICAL HEBREW II

The student will master the morphology of regular and irregular verbs in the various stems, will memorize (for Hebrew to English recall) 165 new vocabulary items from Ross, *Introducing Biblical Hebrew*, lessons 29-40 (while retaining the vocabulary from lessons 1-28), and will translate prose narrative passages from Genesis (lessons 41-50). (4 credits)

**THEO 519 ADVANCED BIBLICAL GREEK READINGS**

For students who have taken at least two semesters of Greek (biblical or classical), this course involves the grammatical analysis and translation of relatively challenging texts from the Greek New Testament and the Septuagint. In order of priority, the course focuses on morphology, syntax, and vocabulary. Matters of textual criticism and of the relationship between grammar, exegesis, and theology are dealt with in passing. The main goal of the course is to serve the Graduate Theology Programs by enabling the student to read the Greek text of the New Testament and the Septuagint with greater facility. (4 credits)

**THEO 522 THEOLOGY OF REVELATION**

This course will study the doctrine of divine Revelation, along with related topics such as the authority of Scripture and Tradition, inspiration, infallibility, development of doctrine, the role of theologians in the Church, the Magisterium, and so forth. We will also devote time to tracing the use of philosophical systems, terms, and relations in theology from the Fathers through the scholastics and modern theologians, Catholic and Protestant. (4 credits)

**THEO 523 TRIUNE GOD**

Christians believe in the God of Abraham, Isaac, and Jacob. In confessing faith in the God who names himself as "I am," Christians affirm the unity and simplicity of God who is sheer Act and thereby radically transcends the finite and participated being of creatures. This course explores the mystery of divine unity and of the attributes of God in his unity, including his goodness, knowledge, and will. Throughout the course, we will study how human language, drawn from finite creatures, is able to name God by analogy, even while it is impossible for us to know God in his essence. We know God without exhaustively comprehending him. Analogy balances careful affirmations with equally precise negations. The one God is Father, Son, and Holy Spirit. We will therefore trace the theological development of the concepts of procession, relation, and person that enable Christians to affirm, without contradiction, both divine Trinity and divine unity. After detailed analysis of the distinct relations in God and the personal properties of the Father, Son, and Holy Spirit, we will examine such topics as the doctrine of appropriation, the relationship of the divine processions to the divine creative act, and the relationship of the eternal processions to the temporal missions. In studying the Trinity as Creator and Redeemer, we will explore the mystery of our relation to God and to the distinct divine Persons. (4 credits)

**THEO 524 CREATION, PROVIDENCE, SIN**

This course is a scientific investigation into the nature and interrelation of the doctrines of creation, providence, and sin in relation to the vocation of the human person and in the light of Christian revelation. Drawing on conciliar documents, classics of Christian thought, and the writings of John Paul II, special attention is given to the prominent role of the doctrine of creation within Catholic theology and its importance for Christian anthropology. The philosophical hermeneutics of the teaching of Vatican I regarding the natural knowability of the existence of God and the classical Christian metaphysics to which the Council fathers adverted; contemporary questions regarding this teaching; the nature and significance of our human dignity and freedom; the nature of and relationship among the intellect, will, and the passions; the significance of the body in a Christian framework in the light of the formal doctrinal hylomorphism of the Council of Vienna; the nature of the divine Providence; the nature of sin; and the deep theological questions regarding the interrelation of Providence, Predestination, freedom, and sin, are considered in this course. (4 credits)

**THEO 525 CHRIST AND HIS CHURCH**

This course studies the Church as the universal sacrament of salvation. The nature of the Church as revealed in its founding by Christ, the status of the Church as the body of Christ, the role of the Holy Spirit in the life of the Church, and the visible hierarchical structure of the Church rooted in succession from the apostles and the Petrine ministry will be studied in light of the important patristic, medieval, papal, and conciliar teachings. Special consideration will be given to the teaching authority of the Magisterium of the Church and the teaching of the Second Vatican Council on the Church. (4 credits)

### THEO 527 SACRAMENTS

The seven sacraments are the divinizing work of Christ in His Church. This course will explore the nature and effects of each of the sacraments, along with their interrelationship. Course readings will include: Sacred Scripture, magisterial documents, especially the decrees of the Council of Trent, select Fathers and Schoolmen, the *tertia pars* of Aquinas's *Summa theologiae*, and recent contributions to the field of sacramental theology. (4 credits)

### THEO 552 FUNDAMENTAL MORAL THEOLOGY

Most contemporary Protestant and Catholic presentations of moral theology count Thomas Aquinas as a primary source. And yet the majority of these presentations lack the balance and comprehensiveness of Aquinas' synthesis precisely because they neglect vital aspects of it. To help students develop a sapiential vision of moral theology, this course provides an introduction to the account of the moral life and its relation to human flourishing presented in Aquinas' s *Summa theologiae*. The course also examines the work of a number of contemporary thinkers who turn to Aquinas for assistance in thinking about some of the most pressing moral questions of our own day. (4 credits)

### THEO 553 SYSTEMATIC THEOLOGY AND ESCHATOLOGY

This course provides an overview of the sapiential character of theology. It draws upon biblical, patristic, scholastic, and contemporary efforts to integrate the quests for wisdom and holiness with those for science and scholarship in the two millennial tradition of Catholic systematic reflections on the truth of the Catholic faith. The theoretical understanding of the whole of theology as subaltern to God and the Blessed in St. Thomas Aquinas is related to the importance of relating history to eternity. In this context eschatology is studied with reference to the theological reflections of Joseph Ratzinger on the teachings of the Bible, the Fathers, Schoolmen, and contemporary issues. (4 credits)

### THEO 591/691 COLLOQUIUM ON THE ANCIENTS

The dialectic operative in modern and contemporary cultures and in the academy can only be adequately addressed through the careful study of the ancient philosophers and theologians. The importance of both contemplative (*theoria*) and practical (*phronesis*) wisdom was foundational for ancient thinkers. Consequently, they insisted that the study of metaphysics and ethics should guide the speculative and practical sciences in their efforts to assist man's living the good life. However, the great Greek and Latin philosophers could not adequately explain why so few live by what is highest in them, namely, their reason. They subsequently tended to ascribe this failure to something in human nature. By contrast, the Greek and Latin fathers recognized how faith in God's creation, the fall, and man's redemption by the Incarnate Word of God enlightened reason. The fathers understood that sin and disordered desire were not part of created human nature but a result of a sinful rejection of friendship with God, a proud desire to be like God. Readings will be chosen to explore how naturally acquired and supernaturally infused wisdom come together in the developments of the Biblical Word of God, the doctrinal concerns of the fathers that the Word of God is true, and the speculative interests of the medieval schoolmen in showing how the true Word of God both enlightens human reason and is intelligible in the divinely revealed teachings of the Catholic faith. (Variable credit; may repeat for credit)

### THEO 592/692 COLLOQUIUM ON THE MODERNS

Following upon THEO 591/691, this course studies the momentous shift from wisdom to power that Machiavelli initiated and the fateful consequences this has had on all modern cultures. In the modern classics treated in this course one encounters ever more fateful rejections of the pre-modern philosophical and theological traditions' shared understanding of reason as what is highest and most divine in man. The modern authors studied here characteristically view reason as a tool that allows man to impose his will upon things. As such, the wisdom, both human and divine, of the ancients is routinely dismissed as empty utopianism. Gone is the attunement of the human mind to the whole in metaphysics; gone is the retention of high intellectual and moral standards of excellence despite the frequent occurrence of human failings; gone is the acknowledgement of the integrity and intelligibility of the divinely created whole; gone is respect for the teleological ordering of nature. In their place, the emancipated human will is increasingly seen as the measure of all things. At the same time,

there are genuine achievements that also occur in the modern period. For example, the achievements of modern science flatly contradict the nihilism and relativism embraced by Nietzsche and Heidegger. Thus this course ends by examining contemporary Catholic thinkers who seek to rekindle our awareness of reason as what is highest and most divine in us: Pope John Paul II reasserting the importance of reason, metaphysics, and the light of faith; Pope Benedict XVI rescuing eros thanks to charity and calling attention to the Hellenic patrimony intrinsic to Christian and Catholic traditions. At the dawn of the third millennium of Catholicism it is imperative that theologians set out to integrate science and scholarship with wisdom and holiness. (Variable credit; may repeat for credit)

#### THEO 595/695 SPECIAL TOPICS

With the approval of the program director, courses may be offered on special topics. (4 credits)

#### THEO 597/697 DIRECTED READINGS

With the approval of the program director, students may register for a course of independent study in a particular area under the direction of a professor. (4 credits)

#### THEO 599 M.A. THESIS

Prepares and guides the student in the research and writing of the required M.A. thesis. (4 credits)

#### THEO 605 SCRIPTURE AND THE MYSTERY OF ISRAEL

Among the “divinely revealed realities” to which the Old Testament refers (*DV* § 11), the historical people of Israel itself constitutes a *mysterium*. By divine adoption, Israel possesses a corporate personhood and a unique identity and vocation, and according to the *sensus spiritualis*, they “signify” Christ and his Church. This course undertakes an in-depth study of key elements in the “divine pedagogy” by which God began to reveal himself and his plan of salvation in stages to Israel in preparation for the Incarnation (*CCC* § 53), including a selection of the following: Israel’s adoptive sonship and the revelation of God’s Fatherhood; the sacramentality of the Holy Land; Israel’s view(s) of the afterlife; sacrifice and prayer; Israel’s view of history; Israel and the nations; the faithful remnant; and the “knowledge of God.” The primary goal of the course is to equip the student to draw on the Old Testament as a vital theological source through an enhanced appreciation of its integral relation to the whole body of revealed truth. (4 credits)

#### THEO 609 BIBLICAL HEBREW EXEGESIS

Advanced study in Biblical Hebrew and practice in original-language exegesis of the Old Testament. Passages are chosen with an eye toward the candidate’s dissertation research. Typically offered as a directed study unit. Prerequisites: THEO 515, THEO 516. (4 credits)

#### THEO 610 BIBLICAL GREEK EXEGESIS

Advanced study in Biblical Greek and practice in original-language exegesis of the New Testament. Passages are chosen with an eye toward the candidate’s dissertation research. Typically offered as a directed study unit. Prerequisites: THEO 513, THEO 514. (4 credits)

#### THEO 616 THE GOSPEL OF JOHN

The first-fruits of Scripture are the Gospels, and the first-fruit of the Gospels is John, according to Origen, one of the earliest commentators on John. This course familiarizes students with the Greek text of John and with a selection of the radically different readings it has received from Antiquity to the Modern Age, especially those of Heracleon the Gnostic, Origen, John Chrysostom, Augustine, Thomas Aquinas, Rudolf Bultmann, Rudolf Schnackenburg, and Jerome Neyrey. It gives special attention to the theological depths of the text and the development of these depths in the Church’s Trinitarian faith as unfolded in the theological traditions. (4 credits)

### THEO 619 EPISTLE TO THE HEBREWS

Rhetorically sophisticated and theologically profound, the Epistle to the Hebrews is of unique importance for understanding the high priesthood of Jesus Christ and the relationship between the old and new covenants. After treating introductory questions (genre, author, destination, date, and structure), the course will turn to a detailed exegesis, with special emphasis on the author's use of the Old Testament, aided by the commentaries of Thomas Aquinas and H. W. Attridge. (4 credits)

### THEO 620 APOSTOLIC FATHERS

The corpus of writings referred to as the Apostolic Fathers, which were composed in the first and second centuries, provide a unique window into a fascinating early period in the Church's development, constitute an important theological link between the New Testament and the patristic writings, and witness to the zeal and sanctity of three great bishops: Clement of Rome, Ignatius of Antioch, and Polycarp of Smyrna. This seminar will inquire especially into two dimensions of these texts: their approach to and interpretation of Scripture, and their presentation of the historical economy of redemption. (4 credits)

### THEO 621 *PREAMBULA FIDEI* AND CATHOLIC THEOLOGY

Can the existence of God be proven philosophically, has such a proof been successfully achieved, and what might be the theological value of such a proof? These questions and others like them are taken up in this course, which surveys proofs for the existence of God in the Catholic theological tradition before and after Vatican I's definition that "that God exists" can be known by natural reason. We explore David Hume's and Immanuel Kant's profoundly influential criticisms of the classical proofs. In this light we examine contemporary philosophical and theological efforts to retrieve, develop along new lines, or bury the classical proofs. Our focus will be on the viability and theological value of St. Thomas Aquinas's proofs in particular. More recent authors who may be examined include Jacques Maritain, Anthony Kenny, Ralph McInerny, Denys Turner, and Richard Dawkins. (4 credits)

### THEO 622 ETERNITY AND TIME IN AUGUSTINE, PLOTINUS, BOETHIUS, AND AQUINAS

This seminar explores how the wisdom and understanding of eternity and time in Augustine, Boethius, and Aquinas are philosophically and theologically relevant as corrections to contemporary historicism. The seminar will research how Plotinus has a very different understanding of eternity and time from Augustine, relating this to major differences in their respective philosophies due to the influence of faith and theology on Augustine. Finally, we shall see how Boethius mediates Augustine's breakthrough to the Middle Ages and Aquinas. A reading knowledge of Greek and Latin is encouraged. (4 credits)

### THEO 625 BODY, SOUL, AND CHRISTIAN THEOLOGY

John Paul II's *Theology of the Body* provides a fruitful point of departure for examining the theology of the body in the Early Church, above all because of its comprehensive "hermeneutics of the gift" (*TOB* 13:2). The introductory part of this course turns to the interpretation of the Gospel of John and of Gnosticism in Rudolf Bultmann, Martin Heidegger, and Hans Jonas. In close collaboration with each other, these three authors sharply raise the question of the body in the modern context of a mechanized universe. Bultmann responds to this question in an existentialist reading of Gnostic texts. The main part of the course turns to the sources themselves to develop a comparative reading of the Gospel of John, the Gnostic Apocryphon of John and the Anti-Gnostic writings of Irenaeus of Lyon. (4 credits)

### THEO 626 FOUNDATIONS OF SYSTEMATIC THEOLOGY

Theocentric theological inquiry forms the foundation of systematic theology. This course develops that inquiry in the context of the challenges of certain theological and philosophical currents in modernity. Writings from Immanuel Kant and Friedrich Nietzsche as well as from certain twentieth century Protestant and Catholic theologians will be examined from a critical perspective. Writings from thinkers such as St. Thomas Aquinas, John Henry Newman, Yves Congar, and Alasdair MacIntyre will be examined to elucidate the tradition of Catholic theological inquiry. Students will seek to enter fruitfully into the contemporary discussion about the foundations of theology operating within a tradition. (4 credits)



### THEO 628 THEOLOGY AND POSTMODERNISM

Most putatively postmodern thought is not post-modern but hyper-modern. Radicalizing the premises of early modern philosophy, it seeks to deconstruct any residual belief in reason's ability to know anything substantially true about the nature of man, the whole, and God. Catholic theology thus finds itself in a unique situation: it currently must defend both faith and reason from modern rationalism's degeneration into irrationalism. Drawing on the works of theologians such as Karl Rahner, Bernard Lonergan, John Milbank, Ernest Fortin, and Joseph Ratzinger, this course examines theology's response to this challenge. Special attention is paid to the ways in which a serious, dialectical encounter with both premodern classical and Christian thought allows us to appreciate the strengths and limitations of modern rationalism. (4 credits)

### THEO 630 PATRISTIC EXEGESIS OF ST. PAUL

We will begin with an intensive study of St. Paul's epistles in the New Testament (in English). Then we will read Patristic exegesis of Paul's letters, focusing on Romans and Galatians. Origen (185-254) stands at the fountainhead of Catholic interpretation of Paul. He was considered by St. Jerome (347-419) to be the master exegete of Paul's mind. St. John Chrysostom's exegesis of Paul was formative for the Greek orthodox tradition and left behind a significant legacy in the West as well. Finally St. Augustine's synthesis of Pauline theology will be engaged. (4 credits)

### THEO 631 ST. AUGUSTINE'S DE TRINITATE

The purpose of this seminar is to study St. Augustine's *De Trinitate* as the apex of Augustine's work, setting out in detail his theological investigation of an immaterial image of the Trinity. Our study is primarily foundational, indicating how St. Augustine developed analogy as different from metaphor and how created knowing and loving as *imago Dei* demand the movement from our descriptive categories of God to the Triune God as revealed Father, Son, and Holy Spirit. The influence of Augustine's work on subsequent Trinitarian theology is also studied. A reading knowledge of Latin is strongly recommended. (4 credits)

### THEO 632 ST. AUGUSTINE'S *DE CIVITATE DEI*

The main focus of this seminar will show how the political theology of St. Augustine draws upon a proper understanding of the classical three ways of living to demonstrate the inadequacy of philosophy to deal with the injustice and evil in human history. Augustine shows the need of salvation in Christ Jesus, and the wisdom of Christian faith, hope, and charity to redeem human society and history and justify the quest for intellectual and moral excellence. This seminar's approach to *The City of God* will be primarily a careful reading of the text. A reading knowledge of Latin is strongly recommended. (4 credits)

### THEO 634 THOMAS AQUINAS AND THOMISM

An investigation of the central doctrines of the Angelic Doctrine and their reception, especially in recent times. Attention will be paid to the historical context of his thought, his use of scriptural, patristic, and philosophical sources, his contemplative theological approach, and the reception of his theology in the life of the Church. Students will engage contemporary Catholic and Protestant programmatic readings of Aquinas. (4 credits)

### THEO 636 AQUINAS ON SALVATION

This course will introduce students to Aquinas's theology of salvation as presented in the *tertia pars* of the *Summa theologiae*. The course will focus in particular on Aquinas's theology of Christ's Cross and on his theology of the Eucharist. In addressing these topics, however, a wide range of questions from the *tertia pars* will be discussed. Topics to be treated include the Incarnation, the Blessed Virgin Mary, the Old Law and New Law of grace, Israel and the Mystical Body, eschatology, the sacraments in general, the theology of sacrifice, charity and the Eucharist, transubstantiation, and the liturgy. Earlier theologians such as St. Anselm, Abelard, and St. Bernard will also be briefly discussed, along with relevant secondary literature on Aquinas's theology. (4 credits)

### THEO 637 NOMINALISM AND VOLUNTARISM: THE ECLIPSE OF THEOLOGICAL WISDOM

This seminar will begin by a clarification by contrast between key texts in Thomas Aquinas and Duns Scotus. It will then proceed to a study of important texts of William of Ockham, who articulated the foundations of nominalism and voluntarism, along with their spread and dominant influence on the reformers and philosophers responsible for modernity. This study will indicate the importance of a metaphysics of being and cognitional sapiential theory to overcome nominalist and voluntarist dualisms. Texts will be in Latin, German, and French, as well as English. (4 credits)

### THEO 639 THE THEOLOGY OF HANS URS VON BALTHASAR

Among twentieth-century Catholic theologians, Balthasar is the only one to have produced a monumental fifteen-volume systematic theology. Balthasar structured his massive systematics around the three transcendentals of beauty, goodness, and truth. This seminar will explore how his tripartite work provides a historical transposition of the transcendentals in terms of the classical three ways of living. The Glory of the Lord, his theological aesthetics of beauty, corresponds with the productive-poetic way of living. Balthasar dwells on the many forms of creation and redemption that are objectively visible in the history of salvation to those with the eyes of faith. Theo-Drama transposes the practical way of living with its attention to the dramatic living out of the good in the theological and human virtues in the life of the Church. Finally, his Theo-Logic transposes the theoretical way of living with its sustained attention to truth, wisdom, and science. A reading knowledge of German is recommended. (4 credits)

### THEO 645 METAPHYSICS AND ETHICS: THE CLASSICAL TRADITION OF CATHOLIC MORAL THEOLOGY

This course explores certain metaphysical foundations necessary for understanding the classical tradition of Catholic moral theology. Drawing upon Aristotle's works, we will discuss such themes as the four causes,hylomorphism, and a unified teleology. Turning to Aquinas's theological development of these themes, we will explore human personhood in light of the doctrine of creation and its metaphysical implications. The last section of the course will treat eternal and natural law as well as man's creation in grace and man's twofold motion toward the final, supernatural, beatific end. (4 credits)

### THEO 646 VIRTUE, GRACE, AND PREDESTINATION

Guided by the theology of St. Thomas Aquinas in dialogue with contemporary treatments such as the *Catechism of the Catholic Church* and *Veritatis Splendor*, this course will take up basic elements of moral theology as set forth especially in the *secunda pars* of the *Summa theologiae*. Among the themes discussed will be beatitude; the relationships between freedom, law, and grace; acquired and infused habitus, and the structure of human action. (4 credits)

### THEO 647 OBJECT AND SPECIES OF MORAL ACTS

This seminar considers the classical analysis of human moral action articulated by St. Thomas Aquinas in the *prima secundae* of the *Summa theologiae* in relation to the Church's moral magisterium, to the foundations of the natural law, and to certain contemporary accounts that tend to dissociate both the norms and the analysis of human action from natural teleology and eternal law. (4 credits)

### THEO 648 ANALOGY OF BEING AND SACRA DOCTRINA

This course considers the teaching of St. Thomas Aquinas regarding the analogy of being in relation to *sacra doctrina*; the principal interpretations of analogy; and the crucial importance of this teaching for theology in its affirmation of the divine transcendence while sustaining the intelligibility of natural discourse about God and of supernatural revelation. It also considers its importance for theological dialogue with non-Catholic Christians and with non-Christian religions. Works by Aquinas, Cajetan, John of St. Thomas, Garrigou-Lagrange, Simon, Maritain, Lyttkens, Klubertanz, Wippel, Montagnes, Simon, Burrell, Lonergan, Anderson, McInerney, Höchschild, and Long are typically considered. (4 credits)

**THEO 651 THEOLOGICAL ETHICS AND THE MORAL LIFE**

This seminar surveys the development of theological ethics through a consideration of great monuments within and without the tradition, generally including Plato, Aristotle, St. Paul, Augustine, Aquinas, nominalism, Alphonsus de Ligouri, Kant, manualist tradition, Barth, Yves Simon, MacIntyre, Pinckars, and Pope John Paul II. Through extensive readings, the seminar will explore the role of philosophical wisdom in expressing theological truths about the moral life. (4 credits)

**THEO 661 HUMAN DIGNITY AND BIOETHICS**

Modern technology is something of a mixed blessing. On the one hand, it has contributed to human beings' increased economic and material well-being and enabled us to live longer and healthier lives. On the other hand, it has brought forth technologies that threaten human life and human dignity in new and unprecedented ways. In our day, such threats increasingly take the form of powerful biotechnologies that hold out the possibility of altering the very face of our humanity. This course examines how Catholic theology can help us understand why such technologies must be subordinated to humanizing ends that reflect the true dignity of the human person. (4 credits)

**THEO 698 NON-RESIDENT RESEARCH AND DISSERTATION**

(Pass/Fail, 1 credit)

**THEO 699 RESIDENT RESEARCH AND DISSERTATION**

(Pass/Fail, 1 credit)

# Master's in Business Administration

Chair of the M.B.A. Program: Dr. Frank Shepard

## Mission

The Masters in Business Administration emphasizes analytical thinking and tools: the intellectual equipment and critical skills needed to understand and excel in business and in most other human endeavors. As a practical endeavor, a business education must include learning and appropriate mastery of the specific knowledge and skills of business, through specialized courses that give students the abilities needed for success. Indeed, business leaders constantly face critical issues that demand informed judgment calls, which put a premium on the acquisition of the habit of prudent action. This prudent judgment and action is acquired through professional formation and carried out through directed practice and mentoring.

Business can be a tremendous force for good if pursued with right intention and a clear awareness of the truth of the human person. Exercised without a correct understanding of its purpose, business can become destructive and corrosive to the community. The Business program at Ave Maria aims to inspire students to become business leaders informed and governed by Christian ideals. The business program is animated by the Catholic view of the human person, his nature, and his ultimate destiny. The distinctive character of the program is its belief in the dignity of the human person, in the reality and importance of the common good, in subsidiarity and solidarity, in ownership as stewardship, and in responsibility for the environment. Because students learn to value human beings for what they are, not for what utility they bring, they are able to serve the Church and their society loyally and generously.

## Graduate Business Faculty and Staff

Gabriel Martinez, Ph.D., Associate Professor of Business and Economics

Frank Shepard, Ph.D., Associate Professor of Finance and Chair of the Department of Business

Peter Whalen, Ph.D., Associate Professor of Marketing

## Contact Information

Department of Business  
Ave Maria University  
5050 Ave Maria Blvd.  
Ave Maria, FL 34142

Dr. Shepard: (239) 304-7345  
Email: frank.shepard@avemaria.edu

## Tuition and Fees for the 2018-2019 Academic Year

Graduate Tuition: \$425 per credit

Technology Fee: \$35 per course

## Grading Scale and Quality Points

|    |     |     |    |            |     |
|----|-----|-----|----|------------|-----|
| A  | 93% | 4.0 | C  | 73%        | 2.0 |
| A- | 90% | 3.7 | F  | <73%       | 0.0 |
| B+ | 87% | 3.3 | AU | Audit      |     |
| B  | 83% | 3.0 | I  | Incomplete |     |
| B- | 80% | 2.7 | P  | Pass       |     |
| C+ | 77% | 2.3 | W  | Withdrew   |     |

Incompletes will be granted only when circumstances beyond the student's control interfere with timely completion of coursework. An "I" will be changed to an "F" if the coursework is not completed by the last day for submitting grades of the subsequent term. The grade of "W"—which does not affect the GPA, but does impact financial aid—is only given when the student withdraws before the last date to withdraw. After that point, a grade of "F" is given.

### Transfer Credits

Upon approval of the program director, a maximum of 24 graduate credits may be transferred from similar programs at accredited institutions. It is the responsibility of the student to petition the university for the transfer of credit at the time of application, and to supply documentation and description of the course(s) for which credit is sought. The student must have received a grade of B- or higher in the course(s) in question for a transfer of credits to be considered.

### Academic Honor Code

The Ave Maria University Academic Honor Code (above in this Catalogue) applies in its entirety to graduate students as well as to undergraduates.

### Application for Graduation

Candidates for a M.B.A. degree must submit to the Registrar a degree application form and the graduation fee of \$155 early in the term in which they intend to graduate. Application to Graduate Forms are available from the Registrar's web page. Approvals are given by the academic administration.

### Institutional Policies and Procedures

Unless otherwise specified in this Catalogue, the undergraduate student life and academic policies and procedures of the University apply to the students enrolled in the graduate programs. This includes, but is not limited to, policies and procedures established by the Offices of Financial Aid, Bursar, Registrar, Student Life, Residence Life, Campus Security, and Library.

# Master's in Business Administration

## Student Learning Goal and Outcomes

**Goal:** Graduates of the M.B.A. Program will grow in competence in the management of strategic, financial, and organizational challenges and will learn how to place respect for the person at the core of management.

**Outcome 1:** Students will enhance their business management skills in accounting, finance, economics and quantitative analysis, marketing, and management and leadership.

**Outcome 2:** Students will learn to manage on the basis of respect for individual human dignity (integrity, trust, commitment); awareness of the impact on the person of business decisions (ethical congruence, communication, motivation); and respect for people in service of human flourishing (value creation, opportunity, service orientation), including employees, co-workers, customers, investors, suppliers.

**Outcome 3:** Students will advance their careers in entrepreneurial business management, family business, or social entrepreneurship (nonprofit management).

## Admission Requirements

A candidate for admission to the M.B.A. program must meet all of the following requirements before full admission.

1. A bachelor's degree in any major from an accredited institution
2. An indication of the capability to perform graduate course work based on either
  - a. A GMAT score of 440 or higher;
  - b. A GRE score of 144 or higher;
  - c. An undergraduate GPA of 3.0 or higher;
  - d. A post-graduate degree in another discipline;
  - e. At least three years of professional work experience that demonstrates either advancement within a particular competency or management responsibilities for budgets, projects, or personnel; or
  - f. A B or better in each of ACCT 501, ECON 501, FINC 501, and STAT 530 at Ave Maria University (enrolling with Conditional Admission as a Non-Degree Seeking Student).
3. A demonstration of ability to communicate effectively, either
  - a. an essay in which the applicant communicates his/her motivation for pursuing the MBA; or
  - b. a video in which the applicant explains his/her motivation for pursuing the MBA.

## Program Requirements

The requirements listed below are typically completed over two years. All courses and electives are 4 credit hours each.

1. 48 credit hours of graduate courses (or transferred equivalents), maintaining a GPA of 2.7 or higher
2. Eleven required courses (44 credits): ACCT 501, ECON 501, FINC 501, STAT 530, BUSN 503, MKTG 550, ECON 550, BUSN 550, BUSN 515, FINC 550, BUSN 590
3. One elective (4 credits).

Students will often enter the program with some undergraduate coursework in business. ACCT 501, ECON 501, FINC 501, and/or STAT 530 may be waived with permission if the equivalent undergraduate course has been taken.

## Typical Plan of Study

All courses are 4-credit courses

### Option 1: Two Years, 48 credits

For students without any Business background

|               | Fall 1   | Fall 2   | Spring 1 | Spring 2 | Summer 1 | Summer 2 | # of credits |
|---------------|----------|----------|----------|----------|----------|----------|--------------|
| <b>Year 1</b> | ACCT 501 | ECON 501 | FINC 501 | STAT 530 | BUSN 503 | MKTG 550 | 24           |
| <b>Year 2</b> | ECON 550 | BUSN 550 | BUSN 515 | FINC 550 | Elective | BUSN 590 | 24           |

### Option 2: 16 months, 32 credits

For students with background in Accounting, Finance, Economics, and Statistics

|               | Fall 1   | Fall 2   | Spring 1 | Spring 2 | Summer 1 | Summer 2 | # of credits |
|---------------|----------|----------|----------|----------|----------|----------|--------------|
| <b>Year 1</b> |          |          |          |          | BUSN 503 | MKTG 550 | 8            |
| <b>Year 2</b> | ECON 550 | BUSN 550 | BUSN 515 | FINC 550 | Elective | BUSN 590 | 24           |

## Course Descriptions

### ACCT 501 ACCOUNTING FOR MANAGERS

Students will develop and/or refine an understanding of the language of accounting and its key concepts as well as how accounting transactions are compiled into financial statements. The ability to make key business decisions will be developed and enhanced using the income statement, balance sheet and cash flow statements to analyze company performance. The course will also focus on areas such as budgeting, product costing and other managerial accounting topics. The course will broaden the skills, ability and knowledge typically used to effectively identify profitable opportunities and significantly contribute to better management within an organization. Equivalent to ACCT 201 and ACCT 202, together. (4 credits)

### BUSN 503 MANAGEMENT AND ETHICS

Theories of management and their practical applications. Management techniques and tools; practical supervisory skills (empowerment, delegation, teamwork building, motivation, leadership, and training). Ethics: the ethics of virtue and ethical relativism. Catholic Social Thought: human personhood, natural moral law, communities and the common good, public authority and subsidiarity, global and participative Solidarity, distributive, commutative and social justice, private property, dignity of work and the stewardship of nature. (4 credits)

### BUSN 515 THE VOCATION TO BUSINESS LEADERSHIP

When businesses and markets function properly and focus on serving the common good, they contribute greatly to the material and even the spiritual well-being of society. However, when business leaders fail to understand their vocation, the result can be economic dislocation, financial instability, corporate failure, personal emptiness, and a deep societal distrust of business. In this course, students will learn how to make effective decisions about ethical problems, conflicts and dilemmas, building trust and integrity within their organizations. In particular, students will learn about the long tradition of Catholic social

teaching, which studies the interrelation of ethics and economics and a clear vision of the contribution that business can make to society and to the personal development of its members. (4 credits)

#### **BUSN 530 QUANTITATIVE METHODS FOR MANAGERS**

This course offers a practical application of quantitative analysis methods used to inform business decisions. Topics studied in this course include breakeven analysis, cost benefit analysis, basic probability, probability distributions, risk assessment, game theory, decision trees, time series analysis and forecasting. Emphasis is on application of course concepts to make better decisions for both planning and operations. Prerequisite: STAT 530 or its equivalent. (4 credits)

#### **BUSN 540 BUSINESS LAW**

This course will focus on the legal, ethical and practical aspects of Business Law integrating, when appropriate, the insights of Catholic social teaching. The primary goal of the course is to better prepare Graduate Students for their roles as leaders in the business world. The guidance provided through this course of instruction will equip MBA students to take the necessary steps to guide a business through the maze of legal, ethical and cultural factors that affect business decisions. Cases, text material, and class discussion emphasize judicial process, constitutional issues related to business practice, property, torts, contracts, product liability, agency, business formation, employment law, consumer protection, intellectual property, insurance, banking regulations and secured transactions. Students will develop critical thinking skills while examining legal cases within a business context directed towards the common good of society. (4 credits)

#### **BUSN 550 MANAGERIAL OPERATIONS AND STRATEGY**

This course focuses on the knowledge, principles and processes of managing an organization. Students develop the skills needed to identify and analyze past and current strategies and to formulate and implement new strategies for business growth. This course presents strategy formulation, resource and capabilities assessment in the context of industry and competitor analysis. General operational concepts such as quality control, capacity analysis and inventory management are introduced. Topics include managing performance and change as well as creating organizational systems. Prerequisite: BUSN 503 or equivalent. (4 credits)

#### **BUSN 560 LEADERSHIP AND ORGANIZATIONAL BEHAVIOR**

This course examines how individuals add value to organizations by defining and examining the nature of leadership. Students will discover their own leadership strengths and weaknesses while learning techniques for collaborative problem solving and critical thinking in leadership contexts. The course studies the interpersonal relationships of people in organizations, group dynamics and the influence of organizational structures on work behaviors. The nature of human attitudes and behaviors as they relate to workplace effectiveness is discussed. Topics include motivation, decision-making, communication, organizational culture, staffing and employee development. Prerequisite: BUSN 503 or equivalent. (4 credits)

#### **BUSN 590 ENTREPRENEURSHIP CAPSTONE**

In this course, students will gain insight into how entrepreneurs start businesses or become self-employed, investigating the innovation mindset that often accompanies a successful venture and the pitfalls that can lead to failure. Students will explore start-up ideas in the context of key business model elements and feasibility analysis. The course emphasizes ethical principles and meeting the human needs related to all aspects of venture development. Students will draw upon the skills and knowledge gained from the key disciplines of business management. Prerequisite: ACCT 501, FINC 550, MKTG 550, ECON 550, BUSN 550 (4 credits)

#### **BUSN 599 INTERNSHIP**

Individually arranged with the department coordinator. Must meet a minimum number of hours and list specific learning objectives. (Variable credit.)



**ECON 501 BUSINESS ECONOMICS**

This basic course in economics addresses both microeconomic and macroeconomic topics. Macroeconomic topics include the determination of national income and the price level; the determinants of economic growth; macroeconomic policy, and international economics. Microeconomic topics include consumer demand, theories of production and cost, pricing and output under competitive and non-competitive conditions, and factor usage and pricing. Equivalent to ECON 201 and ECON 202, together. May be waived with permission. (4 credits)

**ECON 550 ECONOMICS & THE GLOBAL BUSINESS ENVIRONMENT**

Building on the foundation of an undergraduate economics course or courses, this graduate-level business economics course places the decisions that business managers will make in the context of their economic environment. In the first part of the course, students will learn how businesses are affected and constrained by a country's economic growth and recessions, by Federal Reserve decisions regarding interest rates, and by inflation, by international trade and finance, and by exchange rates. In the second part of the course, students will learn how to use economics to solve problems, focusing on issues of cost-benefit analysis, pricing, competition and differentiation, strategy, uncertainty, and organizational design. Prerequisite: ECON 501 or equivalent. (4 credits)

**FINC 501 FUNDAMENTALS OF FINANCE**

Sources, uses, cost, and control of funds in business enterprises; development of financial statements, financial ratio analysis; working capital management; capital budgeting analysis; capital structure and the cost of capital; bonds and stocks; financial institutions and markets. Investment strategies in stocks, bonds, and derivatives. Equivalent to FINC 301. Prerequisite: ACCT 501 and ECON 501 or equivalent. May be waived with permission. (4 credits)

**FINC 550 FINANCE FOR MANAGERS AND LEADERS**

Providing thorough training in aspects of financial management that are critical to the success of an aspiring manager and leader, the course will focus on key elements in the income statement and balance sheet and their relevance and importance in successfully steering a company and its operations. Additionally, students will thoroughly learn, through case studies, efficient operational and capital budgeting methods. To assist a company from a strategic perspective, the course work will enable students become fluent in capital markets theory and application, addressing topics such as debt and debt securities, equity valuation, financial statements analysis, and primary derivative instruments. All course work will place a heavy emphasis on analysis, building financial models and forecasts using Excel and other programs. Prerequisite: FINC 501 or equivalent. (4 credits)

**MKTG 550 MARKETING MANAGEMENT**

This course presents the foundational elements of marketing strategy and execution. The course has an emphasis on customer focus and competitor analysis to drive revenue growth aimed at meeting customer needs through marketing best practices. Readings and case studies in marketing ethics are integrated with a comprehensive survey of marketing theory and techniques. To provide hands-on experience, the students will be exposed to simulations. Prerequisites: ACCT 501 or equivalent. STAT 530 or equivalent. (4 credits)

**STAT 530 STATISTICS FOR BUSINESS**

This course covers the basics of descriptive and inferential statistics, as well as data production, analysis, and acquisition. The course requires use active use of a statistical package and extended and rigorous application of statistics to the analysis of a real-world problem with actual data. Descriptive statistics topics include: data types, basic univariate graphs, histograms, outliers; measures of center and spread, density curves and the Normal distribution; scatterplots, correlation, and simple regression. Inferential topics include the basics of probability, sampling distributions and the central limit theorem; confidence intervals, one-sample and two-sample tests of significance and the P-value; inference in simple and multiple linear

regression; heteroskedasticity, multicollinearity, non-linearity and data transformations. Equivalent to STAT 230.  
Prerequisite: Admission to the graduate program. May be waived with permission. (4 credits)

## VIII. Directories

### Ave Maria University Board of Trustees

Dr. Louis Argenta  
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Mrs. Barbara B. Henkels  
Mr. Daniel N. Mezzalingua  
Mrs. Glory L. Sullivan

## Ave Maria University Administrative Offices

### (Listed Alphabetically)

#### Academic Affairs

*Vice President for Academic Affairs and Dean of Faculty*

Roger Nutt, B.E.S., M.A., S.T.B., S.T.L., S.T.D.

*Assistant Dean of Faculty*

Dan Davy, B.A., M.Sc., Ph.D.

#### Athletics

*Director of Athletics*

John Lamanna, B.A., M.A.

#### Business Services

*Chief Financial Officer*

Eugene Munin, B.S., J.D., M.B.A., M.A.

*Bursar*

Dwain Keddo, B.B.A., M.B.A.

#### Campus Ministry

*Director of Campus Outreach*

Scott King, B.A.

#### Enrollment Management

*Vice President for Enrollment*

Brent Johnson, B.A., M.A.

*Director of Financial Aid*

Sandy Shimp, A.A., B.S.

*Registrar*

Angela Llanos, A.A., B.A., M.S.

#### Food Services

*General Manager*

Charles Traver

#### Human Resources

*Human Resource Director*

Kathleen Phelps, S.P.H.R., B.B.A.

#### Information Services

*Chief Information Officer*

Eddie Dejthai, B.S.

Institutional Advancement

*Vice President for Institutional Advancement*

Brian Couch, B.S., M.S.

Library Services

*Director of Library Services*

Jennifer Nodes, B.A., M.L.I.S.

*Head of Public Services*

Sarah Deville, B.A., M.L.I.S.

Physical Plant and Security

*Director of Facilities*

Jason Sylvester

President

*President*

H. James Towey, B.S., J.D.

*Executive Assistant to the President*

Cristine Buzzanca, B.A.

*Special Assistant to the President*

Dennis Grace, B.A., M.B.A.

*Director of Marketing and Communications*

Mark McCormick, B.A., M.A.

Student Affairs

*Vice President for Student Affairs*

Kimberly King, B.A., M.A.

*Director of Residence Life*

Vivian Crockett, B.A.

*Director of Security and Life Safety*

Michael Miller, B.A.

## Faculty Directory

Faculty at Ave Maria University are carefully chosen for a clear and strong commitment to Catholic education, the ability to communicate effectively their subject matter to students, and full professional qualifications in their academic fields. Faculty members are committed to excellence in teaching and research and to the development of a truly Catholic intellectual culture on campus. In the discipline of theology, professors make the Profession of Faith and the Oath of Fidelity to the Magisterium of the Catholic Church, which signifies a commitment to teach honestly what the Catholic Church holds to be true and in accord with defined doctrine and dogma.

Ms. Dayami Abella-Padron, *Instructor of Spanish*

A.A., Spanish, Florida Gulf Coast University

B.A., Spanish Philology, University of Navarre, Spain

M.A., Teaching English and Spanish, University of Navarre, Spain

Ph.D. (candidate), Latin American Literature, University of Navarre, Spain

Dr. Antonio Barbosa, *Assistant Professor of Chemistry*

B.S., Chemistry, Providence College

M.S., Organic Chemistry, University of Rochester

Ph.D., Organic Chemistry, University of Rochester

Dr. Zachary Bartsch, *Assistant Professor of Economics*

B.S., Economics, University of Louisville

M.A., Economics, George Mason University

Ph.D., Economics, George Mason University

Dr. Paul Baxa, *Associate Professor of History*

B.A., History, York University

M.A., History, University of Toronto

Ph.D., History, University of Toronto

Mr. Jacob Blanchard, *Instructor of Biology*

B.A., Biology, Ave Maria University

Ph.D. (candidate), Biological Sciences, Western Michigan University

Dr. Mary Blanchard, *Instructor of History*

B.A., History, Ave Maria University

M.A., Medieval Studies, Western Michigan University

D. Phil., History, University of Oxford

Dr. Gerald Boersma, *Associate Professor of Theology*

B.A., Religious Studies, Trinity Western University

M.A., Theology, Ave Maria University

Ph.D., Theology and Religion, University of Durham

Dr. Janice Chik Breidenbach, *Assistant Professor of Philosophy*

A.B., Philosophy and Public Policy, Princeton University

M.A., Philosophy, University of Texas

Ph.D., Philosophy, University of St. Andrews

Dr. Michael Breidenbach, *Assistant Professor of History*

B.A., American Studies and History, Northwestern University

M.Phil., Political Thought and Intellectual History, University of Cambridge

Ph.D., History, University of Cambridge

Dr. Kathy Christensen, *Associate Professor of Education*

B.S., Elementary Education, Miami University

M.Ed., Curriculum and Instruction, University of South Florida

Ed.S., Teaching and Teaching Education, University of Florida

Ed.D., Curriculum and Instruction, University of Florida

Dr. John Colman, *Associate Professor of Politics*

B.A., Political Science, Carleton University

M.A., Political Science, Carleton University

Ph.D., Political Science, Boston College

Dr. Stephen Cronin, *Associate Professor of Biology*

B.S., Molecular and Cellular Biology, Texas A&M University

Ph.D., Biology, University of California

Dr. Nicholas Curtis, *Associate Professor of Biology*

B.S., Marine Science and Biology, University of Miami

Ph.D., Cell and Molecular Biology, University of South Florida

Dr. Travis Curtright, *Professor of Humanities and Literature*

B.A., Philosophy, University of Dallas

M.A., Literature, University of Dallas

Ph.D., Literature, University of Dallas

Dr. Michael Dauphinais, *Professor of Theology*

B.S.E., Engineering, Duke University

M.T.S., Theological Studies, Duke Divinity School

Ph.D., Systematic Theology, University of Notre Dame

Dr. Barry David, *Associate Professor of Philosophy*

B.A., History and Classical Philosophy, University of King's College and Dalhousie University

M.A., History, Classics and Religion, Carleton University

Ph.D., Medieval Philosophy, University of Toronto

Dr. Daniel Davy, *Assistant Dean of Faculty & Assistant Professor of History*

B.A., History, Ave Maria University

M.Sc., History, University of Edinburgh

Ph.D., History, University of Otago

Dr. Andrew Dinan, *Associate Professor of Classics & Early Christian Literature*

B.A., Liberal Studies, University of Notre Dame

M.T.S., Moral Theology, John Paul II Institute for Studies on Marriage and Family

M.A., Greek and Latin, Catholic University of America

Ph.D., Greek and Latin, Catholic University of America

Dr. Richard Dittus, *Instructor of Mathematics*

B.A., Mathematics and Social Sciences, Fordham University

M.A., Education with Mathematics specialization, Fordham University

Ed.D., Educational Leadership, Higher Education, Nova Southeastern University

Dr. Maria Fedoryka, *Associate Professor of Philosophy*

B.A., Philosophy, Christendom College

M.A., Philosophy, International Academy of Philosophy

Ph.D., Philosophy, International Academy of Philosophy

Mr. Brett Feger, *Instructor of Biology*

B.A., Biology, Knox College

M.S., Zoology, Western Illinois University

Dr. Taylor Ferranti, *Associate Professor of Music*

B.M., Voice Performance, Crane School of Music at SUNY Potsdam

M.M., Voice Performance, Boston Conservatory

D.M., Voice Performance/Voice Science, Louisiana State University

Dr. Craig Flanagan, *Assistant Professor of Exercise Physiology*

B.S., Exercise Physiology, University of Miami

M.S., Clinical Exercise Physiology, University of Miami

D.C., Chiropractic, Life University

Ph.D., Exercise Physiology, University of Miami

Ms. Debra Forma, *Assistant Professor of Nursing*

A.A.S., Nursing, Erie Community College

B.A., Health and Human Services, State University of New York at Buffalo

M.S.N.-Ed., University of Phoenix Online

Dr. Abigail Fuller, *Assistant Professor of Education*

B.S., Elementary Education and Dance, Slippery Rock University

M.Ed., Education Leadership, Florida Gulf Coast University

Ed.D., Education Administration, University of Florida



Rev. Robert Garrity, *Assistant Professor of Theology*

B.A., English Literature, Aurora University

M.A., Theology, Catholic University of America

S.T.L., Theology, Catholic University of America

J.C.L., Canon Law, Catholic University of America

S.T.D., Theology, Catholic University of America

Dr. Andrey Glubokov, *Assistant Professor of Mathematics*

M.S., Physics, Moscow State University

Ph.D., Mathematics, University of New Mexico

Mr. Timothy Green, *Visiting Assistant Professor of Composition*

B.A., English and History, University of Notre Dame

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