



**MOUNT NOTRE DAME**

*Empowering Young Women*

# COURSE CATALOG

## 2021 – 2022

Accredited by  
The Ohio Catholic Schools Accrediting Association





## MOUNT NOTRE DAME

*Empowering Young Women*

Winter 2021

Dear Students and Parents,

Welcome to the *Course Catalog* for the 2021 – 2022 school year! This document along with the *Scheduling Guide* for each grade level will allow you to navigate our course offerings and the documents needed for your daughter's scheduling.

As always, Mount Notre Dame is excited about the new possibilities that are available because of the revisions and additions to our curriculum. The course offerings found within are based upon the best curriculum and standards at every academic level. We are confident that your academic experiences here will provide you with a solid foundation for your future beyond Mount Notre Dame.

Beginning in late January, students will use the PowerSchool portal to enter their schedule requests with their school counselors. This system allows for a simplified approach for students and families when making choices regarding their courses for next year. Students will receive instruction on how to register for courses at our scheduling meetings in mid-January.

Finally, be sure to take some time to learn about our curriculum and the extensive opportunities that are available at MND. This guide is your starting point to help inform your course selection. Then, utilize your school counselor and teachers to determine which courses will best meet your needs. We are prepared to help guide you to your journey to reach your academic goals.

We are looking forward to a great 2021 – 2022 school year!

Sincerely,

**Karen M. Day**  
Principal  
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# COURSE OFFERINGS 2021 – 2022

\*Courses are CPX unless otherwise noted.

## ENGLISH

English I (H, CPX, CP)  
English II (CCP, H, CPX, CP)  
**AP® English Language and Composition**  
**AP® English Literature and Composition**  
American Short Film & Story (CPX, CP)  
British Literature (CPX, CP)  
Contemporary Literature (CPX, CP)  
Public Speaking (CCP, CPX)  
Academic Transitions (CP)  
Creative Writing I and II

## FINE ARTS – PERFORMING

Chorus ❖  
Chorus  
Chorale (Before School)  
Show Choir (Jubilation)  
Band (H)  
Film History ∇  
Music of Broadway ∇  
Music Theory  
Piano or Vocal Lessons (NHR)  
Dramatic Arts (NHR)  
Advanced Acting (NHR)

## FINE ARTS – VISUAL

Art Foundations  
Art Studio 2  
Art Studio 3  
Art Portfolio Prep  
**AP® Studio Art: 2D**  
**AP® Studio Art: 3D**  
**AP® Studio Art: Drawing**  
Art Practicum (Ceramics)  
Calligraphy I (NHR) ❖  
Ceramics I and II  
Digital Photography and Imagery  
Fibers  
Jewelry & Metal Design  
Photography I and II  
Printmaking

## INFORMATION TECHNOLOGY & BUSINESS

Digital Literacy & Learning  
Business Analytics  
Business Organization & Management ∇  
Business Principles  
Marketing Principles  
Entrepreneurship ∇  
Yearbook (NHR)

## MATHEMATICS

Algebra 1 (H, CPX, CP)  
Geometry (H, CPX, CP)  
Summer Geometry (H, CPX)  
Algebra 2 (H, CPX, CP)  
Functions & Trigonometry (CP)  
Precalculus (H, CPX)  
Summer Precalculus (H, CPX)  
Calculus (H)  
**AP® Calculus AB**  
**AP® Calculus BC**  
Game Theory & Discrete Math (H, CPX)  
Statistics 1 & 2  
**AP® Statistics**  
College Algebra with Finance  
Introduction to Algorithms & Coding

## MINISTRY & RELIGIOUS STUDIES

Faith and Foundations  
Hebrew Scriptures  
Catholic Lifestyles  
Christology  
Church History  
Morality & Catholic Ethics  
Comparative World Religions  
Death to Life  
Social Justice  
Media and Values  
Prayer and Spirituality

## PHYSICAL EDUCATION & HEALTH

Fitness and Lifetime Sports (NHR)  
Fitness and Team Sports (NHR)  
Fitness for Health and Sports Performance (NHR) ❖  
Workouts for Wellness (NHR)  
Health  
Women's Health

## SCIENCE

Biology (H, CPX, CP) ★  
**AP® Biology** ★  
Anatomy & Physiology (CCP, CPX, CP)  
Environmental Science (CPX, CP)  
Integrated Science (CPX, CP)  
Chemistry (H, CPX, CP) ★  
**AP® Chemistry** ★  
Physics (H★, CPX★, CP)  
**AP® Physics C: Mechanics** ★  
Introduction to 3D Modeling  
Engineering Foundations (H, CPX)  
Forensic Science  
Foundations of Eng. Design Thinking I (CCP)  
Graphical User Interface Design  
Laboratory Practicum

## SOCIAL STUDIES

Global Perspectives  
**AP® Human Geography**  
US History (CCP, CPX, CP)  
**AP® US History**  
Modern World History (CPX, CP)  
**AP® World History: Modern**  
Economics and Personal Finance (H, CPX, CP)  
US Government (CPX, CP)  
**AP® US Government & Politics**  
**AP® European History**  
**AP® Psychology**  
Discovering Local History  
History of the Sixties ∇  
Law and Justice ∇  
Introduction to Philosophy  
Psychology  
The Victorian Period ❖

## WORLD LANGUAGES

French I (H, CPX)  
French II (H, CPX)  
French III (H, CPX)  
French IV (H, CPX)  
**AP® French Language & Culture**  
Practicum in French  
  
Latin I (H, CPX)  
Latin II (H, CPX)  
Latin III (H, CPX)  
Latin IV (H, CPX)  
**AP® Latin**  
Practicum in Latin  
  
Beginning Spanish Part 1 (CP)  
Beginning Spanish Part 2 (CP)  
Spanish I (H, CPX)  
Spanish II (CCP, H, CPX, CP)  
Spanish III (H, CPX, CP)  
Spanish IV (H, CPX)  
**AP® Spanish Language & Culture**  
Practicum in Spanish

### KEY FOR SPECIAL SYMBOLS

- ❖ – Course is offered for one-half block all year
- ★ – Course meets for a full block one day and a half block on the other day
- ∇ – Course is offered in alternating years

### KEY FOR ACADEMIC LEVELS

- AP® – Advanced Placement
- CCP – College Credit Plus
- H – Honors
- CPX – College Preparatory Extra
- CP – College Preparatory
- NHR – Non-Honor Roll

# ENGLISH

The English curriculum at Mount Notre Dame is adapted from and exceeds the skills as defined in the Ohio State Standards.

## COLLEGE PREP PROGRAM

English placement for grades 10 – 12 is based upon the current English average at the end of the first semester and the recommendation of the current English teacher. An average of 76% or higher in a CPX English course should be maintained in order to gain a CPX recommendation for the following year. Final placement is at the discretion of the current English teacher.

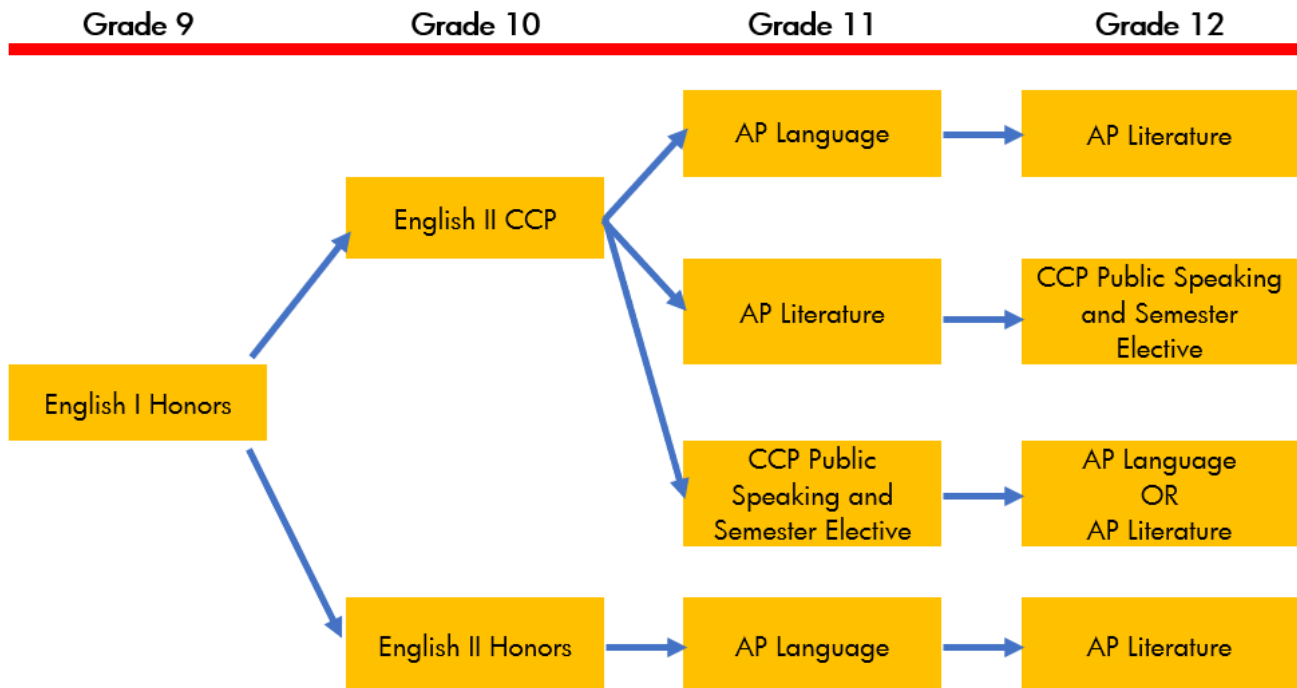
## COLLEGE LEVEL AND HONORS PROGRAM

Mount Notre Dame is proud to offer a robust accelerated course of study in written expression, research, and literary analysis. In addition, students can choose from Advanced Placement and College Credit Plus courses to earn college credits.

Generally, students at this level are expected to maintain an 85% average or above to register for additional courses at this level. A student may be asked to leave an Honors/AP course at the end of the semester if her grade is below passing.

### Possible Pathways for College Level English Courses at MND

*\*Assumes starting at English I Honors. Students may be recommended into these pathways at any point by their current English course teacher.*



## Why would I choose to take Advanced Placement Language or Advanced Placement Literature as a Junior or Senior?

MND students are known for pursuing a strong academic course of study. By continuing in these courses, student can expect to experience:

- Increased depth of content and rigor
- Expanded reading and writing selections
- Collegiate-level learning with a strong peer cohort

## Should I take the Advanced Placement test?

- Some Tier 1 schools may want to see Advanced Placement scores. Having passing AP scores may increase your options for collegiate credit.

### Potential College Credits from MND English Courses

Please use the table below to better understand the potential college credits that can be earned in English courses at MND.

MND Course	MND Scheduling Credit	Potential College Courses for which Credit may be Earned	Institution Issuing Credit
English II CCP	1	ENG 101 & ENG 103	Cincinnati State
AP English Language and Composition	1	Depending on AP Score ENG 1110.01*	Chosen College based on AP Score
AP English Literature and Composition	1	Depending on AP Score ENG 1110.02*	Chosen College based on AP Score
Public Speaking CCP	.5	COMM 110	Cincinnati State

\*Sample provided from Ohio State University for students in 2020-2021. Please use this link to verify based on your chosen college: <https://apstudents.collegeboard.org/getting-credit-placement/search-policies>

## CORE COURSES

### FRESHMAN

#### HONORS ENGLISH I – HON

9 1

This course includes the study of language and literature, composition, usage, grammar, library research skills, oral communication and vocabulary development. Students should expect to engage in the critical analysis of numerous fiction and non-fiction works.

#### ENGLISH I – CPX

9 1

This course includes the study of language and literature, composition, usage, grammar, library research skills, oral communication, and vocabulary development.

#### ENGLISH I – CP

9 1

This course includes the study of language and literature, composition, usage, grammar, library research skills, oral communication, and vocabulary development. It provides for the reinforcement and expansion of fundamental language and reading skills.

❖ ACADEMIC TRANSITIONS – CP

9

1

This daily half-block course is a year-long, concentrated course in reading and language skills. Recommendation for this course is based on your entrance materials. The course takes an integrated approach, emphasizing study skills, reading comprehension, grammar, and other basic skills necessary for success at MND.

SOPHOMORE

ENGLISH II – CCP/HON

10

1

This course is a survey of American literature with emphasis on literary analysis, research and composition. The student concentrates on persuasive and expository writing, as well as enhancement of her vocabulary, grammar and public speaking skills. A research essay written in Modern Language Association (MLA) style is also an important part of the writing curriculum.

**For English Composition CCP the student must be enrolled at Cincinnati State for ENG 101/103**

**NOTE: English offerings for CCP credit at Mount Notre Dame are contingent on the MND teacher qualifying for adjunct professor status with our partner colleges. In the event of a staffing change, CCP credit may be unavailable while MND would continue to offer the course.**

ENGLISH II – CPX

10

1

The survey course focuses on American literature with an emphasis on American authors, genres, themes and composition. A strong emphasis on grammar, vocabulary development and public speaking is also included. Among the writing assignments is an extended research analysis using MLA style.

ENGLISH II – CP

10

1

This survey course focuses on American literature with an emphasis on American authors, genres, themes and composition. A strong emphasis on grammar, vocabulary development and public speaking is also included. Among the writing assignments is a research analysis using MLA style.

## CORE ENGLISH JUNIOR/SENIOR COURSES

### Requirements:

- Juniors and Seniors must take a minimum of 1 credit of Core English each year.
- Mount Notre Dame students must earn credit in Public Speaking, AP Language or AP Literature before graduation.

		Course Level					
		AP/CCP		CPX		CP	
11	• AP® English Language & Comp.	1	• American Short Film & Story – CPX	.5	• American Short Film & Story – CP	.5	
	• AP® English Literature & Comp.	1	• British Literature – CPX	1	• British Literature – CP	1	
	• Public Speaking CCP	.5	• Cont. Literature – CPX	.5	• Cont. Literature – CP	.5	
			• Public Speaking - CPX	.5			
12	• AP® English Language & Comp.	1	• American Short Film & Story – CPX	.5	• American Short Film & Story – CP	.5	
	• AP® English Literature & Comp.	1	• British Literature – CPX	1	• British Literature – CP	1	
	• Public Speaking CCP	.5	• Cont. Literature – CPX	.5	• Cont. Literature – CP	.5	
			• Public Speaking – CPX	.5			

### AP LANGUAGE & COMPOSITION – AP

11/12

1

AP English Language is an introductory college-level composition course which prepares the student for the College Board AP test in *English Language and Composition*. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. The course focuses primarily on nonfiction speeches, essays, articles, and texts.

### AP LITERATURE AND COMPOSITION – AP

11/12

1

This is the culminating course in the Honors English program. It is an accelerated literature and composition class, which prepares the student for the College Board AP test in *English Literature and Composition*. While there is a strong focus on British literature, important works and mature themes from other traditions are included. Frequent writing and research assignments of all kinds may be expected.

### AMERICAN SHORT FILM & STORY – CPX

11/12

.5

This course will allow students to read and examine themes in a variety of the great American short stories and compare them to the films based on them. Students will learn about the short story American literary form, learn about human nature and American history, plus learn about the nature of the film medium, and the authors studied. Students should expect to read, critique, and write essays based on the works they are studying. A final research essay is expected of all students.



**AMERICAN SHORT FILM & SHORT STORY – CP**

11/12

.5

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**BRITISH LITERATURE – CPX**

11/12

1

This course entails the study of predominantly British literature through close readings of texts by a variety of renowned authors, a drama unit, a poetry unit and vocabulary. The writing component of this class focuses on analytical writing, a research essay as well as creative writing.

**BRITISH LITERATURE – CP**

11/12

1

This course entails the study of predominantly British literature through close readings of texts by a variety of renowned authors, a drama unit, a poetry unit and vocabulary. The writing component of this class focuses on analytical writing, a research essay as well as creative writing.

**CONTEMPORARY LITERATURE – CPX**

11/12

.5

In this course, the student will study various fiction and non-fiction genres, including novels, contemporary short stories, and poetry. There will be two major writing requirements: (1) a research essay using MLA format and (2) either a college essay or a creative paper. Other writing assignments will be incorporated such as journals, in-class essays, and reflections. Additionally, the student will continue in the study of vocabulary.

**CONTEMPORARY LITERATURE – CP**

11/12

.5

In this course, the student will study various fiction and non-fiction genres, including novels, contemporary short stories, and poetry. There will be two major writing requirements: (1) a research essay using MLA format and (2) either a college essay or a creative paper. Other writing assignments will be incorporated such as journals, in-class essays, and reflections. Additionally, the student will continue in the study of vocabulary.

## PUBLIC SPEAKING – CCP

11/12

.5\*

This course is designed to help students grow and develop as effective speakers and successful communicators. Students will learn the foundational skills, concepts, and techniques needed to gain confidence to speak in front of an audience. Effective public speaking will prove as an invaluable asset to students as they progress through college and into a future career.

This course provides students with the framework to:

1. Develop and demonstrate the ability to speak confidently and effectively in front of an audience
2. Select topics appropriate for their audience
3. Organize, develop and utilize outlines for speeches
4. Enhance critical thinking, research, and active listening skills
5. Understand their responsibility to speak ethically and with integrity

**NOTE:** .5 credit is assigned for the purposes of MND scheduling, however, 1 credit will be awarded on the transcript for students who will earn college credit through the State of Ohio College Credit Plus Program.

**NOTE:** English offerings for CCP credit at Mount Notre Dame are contingent on the MND teacher qualifying for adjunct professor status with our partner colleges. In the event of a staffing change, CCP credit may be unavailable while MND would continue to offer the course.

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## ELECTIVE COURSES

<u>CREATIVE WRITING I – CPX</u>	10/11/12	.5
<u>CREATIVE WRITING II – CPX</u>	10/11/12	.5

The student has the opportunity to write a variety of genres including narratives, poems, descriptive/humorous sketches, and short plays. She learns about submitting work for publication and is encouraged to do so. The student submits a portfolio of her best work that is due at the end of the grading period. A class anthology is published at the end of the semester.

### Prerequisite for *Creative Writing I*

- Recommendation of current English teacher and a writing sample submitted for evaluation.

### Prerequisite for *Creative Writing II*:

- Recommendation of *Creative Writing teacher* or recommendation of the department.

# FINE ARTS – PERFORMING

## ❖ CHORUS – CPX

9/10/11/12

.5 or 1

This performance-based course is open to anyone who enjoys singing in a group. Previous choral experience is not necessary. The student will develop the basic principles and methods of singing in a vocal ensemble – breath support, quality vocal production, sight reading, and musicianship. Various styles of choral literature, including traditional, popular, and seasonal music, will be studied and performed in two- and three-part voices. The student will also develop critical listening skills. The ensemble will participate in some performances outside of class.

## CHORALE (BEFORE SCHOOL) – CPX

9/10/11/12

.5

This course is offered every other day from 7:00 AM until 7:40 AM. This performance-based course is open to anyone who enjoys singing in a group. Previous choral experience is not necessary. The student will develop the basic principles and methods of singing in a vocal ensemble – breath support, quality vocal production, sight reading, and musicianship. Various styles of

literature, including traditional, popular, and seasonal music, will be studied and performed in two- and three-part voices. The student will also develop critical listening skills. The ensemble will participate in some performances outside of class.

## SHOW CHOIR – CPX

9/10/11/12

1

The Jubilation Show Choir is a select group of freshmen, sophomores, juniors and seniors. This group performs a variety of music and dance styles. Members sing while performing the dance routines. This show choir will represent Mount Notre Dame at school and community events. Show Choir members can expect extra rehearsals outside of class prior to major performances. Show Choir will have required performance opportunities outside of class.

**Prerequisite:** Audition or recommendation of the Choir Director

## BAND – HON

9/10/11/12

1.5

In this course, students will develop technical proficiency on their woodwind, brass, or string instrument through the preparation and performance of high-quality band literature, ensembles, and solos. The goal of the course is to develop musical skill that will last a lifetime, in addition to personal responsibility, teamwork, and the leadership abilities of each student. Students who do not yet play an instrument should contact Mr. Kindt ([pkindt@mndhs.org](mailto:pkindt@mndhs.org)) to get started.

**Prerequisites:** None to begin. Previous band experience playing a woodwind, brass, or string instrument is helpful. Student must maintain a yearly average of 85% or higher to continue the following year.

▽ FILM HISTORY – CPX

9/10/11/12

.5

**Offered in alternating years with Music of Broadway CPX (21-22 & 23-24)**

Film History provides students with a basic overview of the concepts, terminology, and social impacts necessary to better understand the history and art of Film. The course will cover multiple genres, technological advances, and directorial approach. Film History will also explore the societal changes that happened through history and how it affected the film industry.

▽ MUSIC OF BROADWAY – CPX

9/10/11/12

.5

**Offered in alternating years with Film History CPX (22-23 & 24-25)**

This course gives students the opportunity to evaluate and compare a variety of musicals from the nineteenth century to present-day Broadway Musicals including Minstrel Shows, Vaudeville, Operetta, Musical Comedy, Opera on Broadway, and Rock Opera. Students will examine composers, lyricists, producers, directors, choreographers, and performing artists who have contributed to the development of musical theater. Students should expect to view, assess and critique in this course.

MUSIC THEORY – CPX

10/11/12

.5

This course is an in-depth study of harmony, melody, counterpoint, major and minor scales, rhythm, analysis of musical compositions, sight singing, triads, figured bass, part-writing, music dictation, and listening skills. The patterns and formulas that make up music as a language will be studied and utilized. This course is highly recommended for students who want to learn to write music or are looking at pursuing music or theatre in college.

**Prerequisites: Completion of OR concurrent enrollment in Band or Choir OR approval of the instructor.**

PIANO – NHR

9/10/11/12

.25 or .5

Private piano instruction is arranged weekly according to the student's free block, before or after school availability. Areas of instruction are in classical, seasonal, popular, and semi-popular piano music. Requirements for credit are forty minutes daily practice and one 30-minute private lesson per week with the instructor. Both beginning and experienced students are accepted for private lessons, as is the student who does not wish to receive credit. Piano lesson fee is due at the beginning of each semester (\$300 for fifteen 30-minute lessons). Performance opportunities are available throughout the year.

**Prerequisite: Private lesson agreement required. Please see Mrs. Venia.**

VOCAL – NHR

9/10/11/12

.25 or .5

Private vocal instruction is arranged weekly according to the student's free block, before or after school availability. Areas of instruction are breath support, quality vocal production, sight reading, musicianship, and stage presence. Classical, semi-popular, seasonal, and selections from musicals will be studied. Private lesson fee is due at the beginning of each semester (\$300 for fifteen 30-minute lessons). Performance opportunities are available throughout the year.

**Prerequisite: Private lesson agreement required. Please see Mrs. Venia.**

**DRAMATIC ARTS – NHR**

9/10/11/12

.5

In this introduction to theatre basics, the student will explore a variety of aspects related to theatre. Through improvisation, character development, monologue, and teamwork students will gain knowledge of the origins of theatre, as well as learning the many facets involved in producing a play. Students will read multiple plays throughout the course. In addition, she will present cold read performances, improvisations, and ensemble scenes. These kinds of “hands-on” experiences will provide the student with new and more insights and skills in the area of stagecraft, along with improved self-confidence and an appreciation for the value of ensemble.

**ADVANCED ACTING – NHR**

10/11/12

.5

This is an intense course designed for the student *who is serious about acting* and would like to improve her skills. The student will do advanced study in performing monologues and group scenes. She will perform material from modern and classical plays, including Shakespeare. She will learn to analyze scripts and develop a character, as well as explore script writing and producing.

**Prerequisite: Completion of Dramatic Arts OR approval of the instructor.**

# FINE ARTS – VISUAL

MND believes that art is for everyone and yet may not be a career path for every student. The MND Art Program is designed so every student can find a topic to experience. Some courses are introductory, while others require the dedication and motivation of the serious artist.

For the student who thinks she might want to pursue the study of art after high school, it is highly recommended that her exposure to art begin in freshman year with the *Art Foundations* class, followed by *Art Studio 2* as a sophomore, and *Art Studio 3* as a junior. By senior year, the student will be prepared to take the *Portfolio Prep* or *AP Studio* class, which will facilitate the production of a portfolio of work for acceptance into a college program and/or application for scholarships. This student may also choose to take other art electives during her years at MND. In *AP Studio*, college credit may be awarded based upon the College Board assessment of the student's portfolio, at the discretion of the college, or art school.

The student interested in fulfilling her fine arts requirement for college may choose a core course or a specific area of study at any time during her four years at Mount Notre Dame. However, core courses should be taken in sequence, regardless of the student's career intentions.

**\*\*\*Exceptions can be made to move a student ahead one level, in order to challenge the student according to her abilities and/or to promote a student to her appropriate grade level. This is decided based on the recommendation of the student's art teacher(s) in conjunction with a review her work.**

## CORE COURSES

### ART FOUNDATIONS – CPX

9/10/11/12

1

Designed to be an introductory course, *Art Foundations* offers the student the opportunity to create using a variety of media. It serves as a foundation for the student interested in pursuing art more seriously. Processes studied include, but are not limited to, drawing, painting, printmaking, collage, and some 3-D construction. Studying art history and the works of the masters, critiques, reflective writing, and class discussions will all play a part in enriching the total experience. Most supplies will be furnished. The student is expected to provide a portfolio for transporting/storing her work. The student should expect some outside assignments. Students will be expected to participate in specific competitions and will be encouraged to participate in a variety of opportunities as they arise throughout the year. Information regarding these will be given by the instructor.

**NOTE: This is the recommended art course for freshmen or anyone who may want to pursue art as a future career option.**

## ART STUDIO II – CPX

10/11/12

1

This course will take an in-depth look at the elements and principles of design. Time will be spent on rendering the human figure and understanding how to draw facial features correctly. Art history and specific artists will be discussed as it pertains to specific art pieces. Students will continue to participate in critiques and will work toward becoming more comfortable discussing their work and that of others. Emphasis will be placed on students finding their voice as it pertains to their artwork. Guidelines will be set by the teacher; there will be specific objectives for each art piece, but students are encouraged and expected to express their personal thoughts and ideas through their art. Students will use but are not limited to the following media: pencils, acrylic paint, watercolor, collage materials, printmaking and sculpture. Students are expected to purchase a sketchbook of their choice (which will be used regularly), a portfolio and a tackle box with a lock for storing art supplies. Students will be expected to participate in specific competitions and will be encouraged to participate in a variety of other opportunities as they arise throughout the year. Information about these will be given by the instructor.

**Prerequisite: Successful completion of Art Foundations and/or recommendation of an art teacher.**

## ART STUDIO III – CPX

11/12

1

The student enrolling in this course is presumed to be self-motivated regarding the study and production of art both from an historical perspective and as a reflection of her own work. Experiences will be designed to help the student artist to continue to develop her own voice and to conceptualize her work. Some contemporary artists as well as those more widely recognized will be instrumental in this process. Attendance at an official "Portfolio Day" is strongly encouraged. Discussion, critique, and a sketchbook/journal will be an integral part of the student's development. A tackle box with a lock and a portfolio will be needed. A commitment of time for production outside of the classroom should be expected. The student may be asked to obtain some of her own materials, as determined by her own personal needs for self-expression. Students will be expected to participate in specific competitions and will be encouraged to participate in a variety of opportunities as they arise throughout the year. More information about these will be given by the instructor.

**Prerequisite: Art Studio II and recommendation of the art teacher.**

## ART PORTFOLIO PREP – CPX

12

1

This senior-level course is intended to aid the student in the creation of a portfolio for admission into college and/or for scholarship competition. Emphasis will be on furthering technical skills, improving composition, and exploring one's own artistic voice. Speed of production and honing of craft will be emphasized as will strict adherence to deadlines. Critiques are conducted on a regular basis. Level of commitment should be evident to the instructor. Considerable time outside of the classroom will be required to complete this course successfully. Most supplies will be provided and will be professional quality materials; however, the student may need to purchase additional supplies on her own. Criteria for judgment will be more demanding; the pace for production, livelier. Students will be expected to participate in specific competitions and will be encouraged to participate in a variety of other opportunities as they arise throughout the year. More information on this will be given by the instructor.



**NOTE:** Guidance regarding the creation of the art for the student's portfolio, as well as organizing the production and submission to various colleges, is available in this class. Students wishing to create a portfolio for college acceptance or scholarship, who have not followed the recommended path of study in art, should seek the advice of an art faculty member, regarding the possibility of inclusion in this class and ultimately gain the recommendation of chair of the art department.

**AP STUDIO ART – AP**

11/12

1

This course is designed for the student who is seriously interested in pursuing art as a major in college. The class affords the student the possibility of earning college credit and/or advanced placement in college courses. The student is required to submit a strong portfolio of work for evaluation near the end of the school year. Portfolios are reviewed by college, university, and secondary school instructors, chosen by the College Board, using rigorous national standards for performance in the visual arts. Students will be expected to participate in specific competitions and encouraged to participate in a variety of opportunities throughout the year as they arise. More information regarding these will be given by the instructor. Juniors deemed ready to face the rigors of this fast-paced course, may be admitted, with the consent of an Art faculty member. Students in other art courses, such as photography, fibers, or digitally-based art making, who also would like to commit to the requirements of the course, may be admitted, with the consent of an Art faculty member.

**Prerequisite:** Art Studio II or Art Studio III and recommendation of art teacher.

**ELECTIVE COURSES:**

**ART PRACTICUM (CERAMICS) – CPX**

11/12

.25

This is a thirty (30 hour) individual study designed to provide practical and creative experiences in the Ceramics studio through exposure to studio management. Students will be given "hands-on" experience helping the instructor with kiln loading/unloading and aiding new Ceramics students through demonstrations of various processes such as, but not limited to, hand building, glazing and throwing techniques. A student must schedule a free block in her schedule and turn in the Practicum Agreement to her counselor at her scheduling meeting. The teacher and student will work together to create a plan of expectations for the semester.

**Prerequisite:** Completion of Ceramics II. Practicum agreement to be turned in at scheduling meeting.  
Approval of Ceramics II teacher to participate in this course.

**❖ CALLIGRAPHY I – NHR**

9/10/11/12

.5

This creative hands-on arts class is for the student interested in learning the art of beautiful writing. This is a pass/fail course and does not factor into a student's GPA. The student will begin by learning the basic pen movements, and then move on to a variety of styles of alphabets, working in both black and colored inks. There are set course requirements and expectations for each assignment. This class is designed to provide an opportunity for self-enrichment. There is no semester exam or assigned homework.

### CERAMICS I – CPX

10/11/12 .5

This semester long class will guide students through the basics of hand building with clay. Students will learn the three basic hand building techniques: pinch, slab and coil. Students will see demonstrations on the potter's wheel and will be able to experiment on the wheel as time allows. In addition to building all work out of clay, the glaze process will be introduced. Students will learn how to properly glaze their clay work in order to have a finished piece. Students will take a required alternative exam. They will take quizzes on vocab and processes. Art history will be explored through the introduction of various artists as they pertain to assignments given.

### CERAMICS II – CPX

10/11/12 .5

Students will continue to work with increasingly more difficult techniques for construction and will have the opportunity to work on the potter's wheel. Some clay pieces may be created with a combination of techniques. The student will experiment with glazing and firing processes and will gain a greater understanding of the materials. Students will be given general guidelines and will be encouraged to be creative and to express her own ideas. Some outside research will be required in order to create successful ceramic pieces in this class. Students will take a required alternative exam.

**Prerequisite: Successful completion of Ceramics I and recommendation of art teacher.**

### FIBERS I – CPX

9/10/11/12 .5

This semester course will explore a variety of materials through the completion of assignments, designed to teach the basic skills such as knitting, crocheting, cross stitching, applique, paper making, collage, and weaving. The student will explore a wide variety of processes and materials. A heavy emphasis is placed on learning and applying elements and principles of design to artwork. Students will be introduced to contemporary fiber artists as well as the historical relevance of fiber art. The student should plan to work outside of class time to complete assignments on time. The student will be asked to purchase some supplies, such as knitting needles, yarn and embroidery floss. Most other supplies will be provided.

### JEWELRY & METAL DESIGN I – CPX

10/11/12 .5

This course is designed for the student interested in creating works of art in the form of jewelry and various metals. The student will learn techniques used in jewelry making and metal smith. Emphasis will be on understanding and applying elements and principles of design to her works of art. Some research to help understand various art styles, as she develops her own style, may be needed. Homework and outside assignments may be given. The student may be required to purchase some additional supplies.

### PHOTOGRAPHY I – CPX

11/12 .5

This class provides an overview of black and white photography using the pin hole and 35mm FILM camera. The course will introduce students to the workings of the 35mm FILM camera and give them hands-on experience in the darkroom. A manual 35mm FILM camera, or 35mm with manual capabilities in good working condition is required. Students will be required to take photographs outside of class along with purchasing photo paper for developing images. Film and all chemicals used in developing are provided. **Each student will need her own manual 35mm FILM camera and photographic paper.**

**NOTE: Students can take Photography I and Photography II CPX in the same year.**

**PHOTOGRAPHY II – CPX**

11/12

.5

Students will continue to learn about manually operated 35mm FILM cameras. The class is designed to enable the student to acquire a working knowledge of the function of a 35mm SLR manual camera. It will provide ample opportunity to become familiar with the “secrets” of working in a darkroom. The student will be encouraged to develop careful work habits, practice good craftsmanship, challenge her powers of creativity and to think and write thoughtfully about what she is learning. Each student is expected to have her own manual 35mm camera for the course.

**Prerequisite: Completion of Photography I**

**NOTE: Students can take Photography I and Photography II CPX in the same year.**

**DIGITAL PHOTOGRAPHY AND IMAGERY – CPX**

10/11/12

1

This course studies the art of digital photography and graphic design. Students will work with Photoshop and Illustrator (along with other programs in the Adobe Creative Suite) to manipulate photos and create illustrations. Emphasis will be on good design from an artistic point of view and students will be encouraged to develop an individual artistic voice. Techniques studied include forced perspective, typography and digital collage. Students are expected to have access to a digital camera with an SD card. Cell phones will not be allowable as the required camera. Darkroom experience is helpful but not necessary. Students should plan to spend time outside of class to complete assignments.

**NOTE: Adobe Photoshop experience is helpful but not necessary.**

**PRINTMAKING – CPX**

10/11/12

.5

This course studies the art of printmaking. Students will work with printmaking methods such as linoleum blocks, woodcuts, screen printing and monoprints. Artists’ work studied will include Albrecht Durer, Andy Warhol, Pablo Picasso, and Joan Miro. Students will experiment with different tools, papers and various printing media such as ink and paint. Along with exploring past and present printmakers’ work, students will develop their own themes and concepts within their body of work that they will create throughout the semester. Some sketching and preliminary drawing will be necessary when creating designs for prints.

# INFORMATION TECHNOLOGY & BUSINESS

## REQUIRED COURSE

### DIGITAL LITERACY & LEARNING – CPX 9/10/11/12 .5

Required of all ninth graders and all students new to the tablet environment, this course introduces students to a variety of tablet tools through a selection of relevant projects. Students will be exposed to basic study skill strategies, features of MS Windows and the MS Office Suite, as well as Office 365, by integrating the ISTE standards throughout. For a full understanding of the ISTE standards please check-out [www.iste.org/standards/for-students](http://www.iste.org/standards/for-students). Additional software relative to the Tablet PC environment will also be introduced as appropriate.

#### NOTES:

- This course will be taught in a hybrid/integrated/extended manner for Billiard Scholars through the AP Human Geography course.
- All other students will receive a recommendation to take this course either in a traditional environment or as an independent study.

## ELECTIVE COURSES

### BUSINESS ANALYTICS - CPX 10/11/12 .5

This course introduces students how to use digital spreadsheets to record, manage, and analyze data in MS Excel. Students will learn about pivot tables, visual data representation and how to discover patterns that would in turn help businesses make better decisions. This course is recommended for students interested in a career in business, marketing, finance, economics, and information systems.

**Prerequisite:** Completion of Digital Literacy & Learning

### ▽ BUSINESS ORGANIZATION & MANAGEMENT - CPX 10/11/12 .5

**Offered in alternating years with Entrepreneurship (22-23 & 24-25)**

This course looks at how a business is organized and manages human resources. Students will learn techniques used to manage and lead employees, become aware of global business practices, as well as plan for a career in their desired career cluster.

**Prerequisite:** Successful completion of Business Principles or Entrepreneurship

**BUSINESS PRINCIPLES – CPX**

10/11/12 .5

The course will focus on the concepts and functions of basic business principles. The student will use critical thinking skills in understanding the concepts of economics, business principles, the global economy, and the social responsibility of corporations. Students will learn how to apply these concepts in the everyday business world. A student planning to major in Business in college should consider this course.

**MARKETING PRINCIPLES – CPX**

10/11/12 .5

The *Marketing Principles* class presents an overview of marketing as the business operation that connects a product/service to a consumer/user. Students in this course will learn skills and concepts such as the four P's of marketing (product, price, place and promotion), channels of distribution, sales and customer service, and advertising. A student planning to major in Business in college should consider this course.

**▽ ENTREPRENEURSHIP – CPX**

10/11/12 .5

**Offered in alternating years with Business Organization and Management (21-22 & 23-24)**

Students will learn to take an idea and launch it into a profitable business by developing a business plan, identifying the market need for the business, distributing and promoting their product, and managing expenses & profits. Upon successful completion of a comprehensive exam, student will have the opportunity to earn three semester credit hours from the University of Iowa for an additional cost.

**Prerequisite: Successful completion of Business Principles or Marketing Principles**

**YEARBOOK – NHR**

10/11/12 .5 or 1

In this digital age, people seek information from several platforms. This course introduces basic communication skills such as interviewing, writing, formatting, and editing as well as specific technology skills used to produce content for *Mountain Lore*, the MND yearbook. This course is ideal for the student who is curious about a career in broadcasting, photojournalism, public relations, graphic design, reporting, and/or editing.

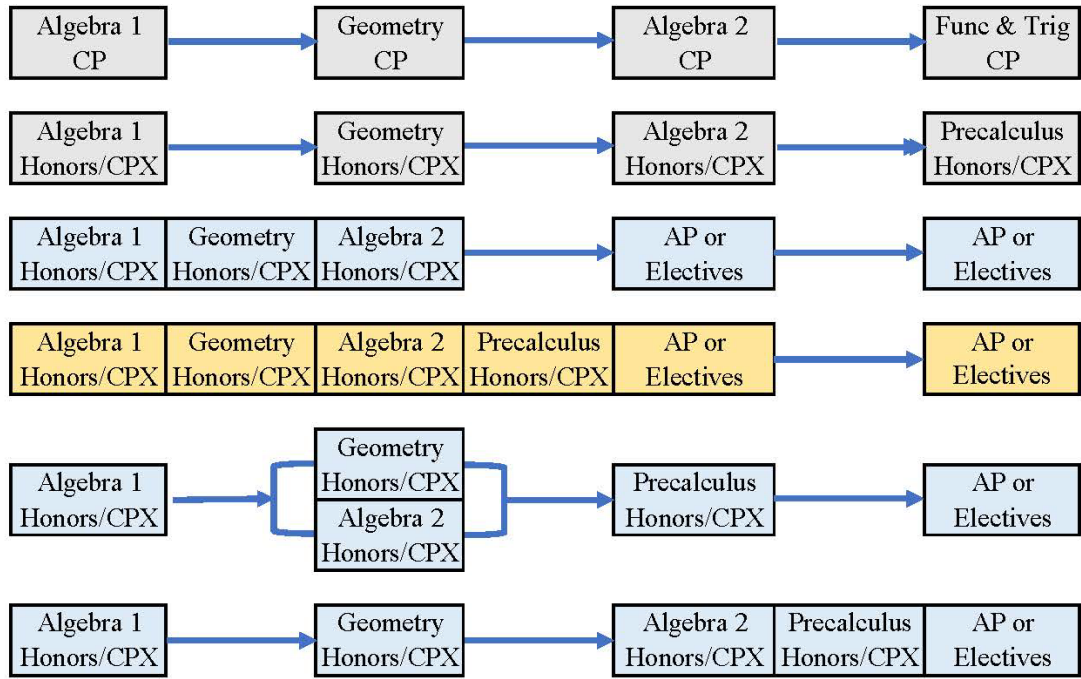
**NOTE: This course may be repeated.**



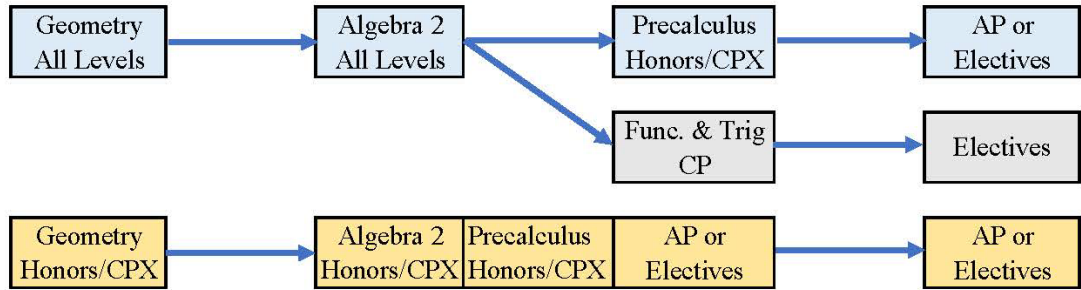
# Pathways to Math Success at MND

Grade 9 Summer Grade 10 Summer Grade 11 Summer Grade 12

Beginning with Algebra 1



Beginning with Geometry



Beginning with Algebra 2



Pathways shaded in blue could include Calculus.

Pathways shaded in gold could include Calculus BC

## AP & Elective Courses

- Introduction to Algorithms & Coding (CPX)
- College Algebra with Finance (CPX)
- Statistics (Advanced Placement)
- Statistics 1 and 2 (CPX)
- Game Theory & Discrete Math (CPX and Honors)
- Calculus AB & BC (Advanced Placement)

# MATHEMATICS

All students are required to have a graphing calculator. MND is currently using the TI-84 Plus (any model including Silver Edition, Color, and CE...). The TI-NSPIRE is acceptable; however, class instruction will be done using the TI-84 and students will be responsible for learning the calculator functionality on their own. The TI-NSPIRE-CAS is not acceptable as it is not permitted on some of the standardized tests.

Any student who has a 95% or higher average in her current math course, may speak with her school counselor to move up a level (from CP to CPX, from CPX to Honors, or from CPX to AP.)

## REQUIRED MATH SEQUENCE COURSES

### ALGEBRA 1 – CP

1

This course covers arithmetic, the real number system, absolute value, linear equations, linear inequalities in one variable, polynomial factorization, properties of exponents and exponential expression, functions, square roots, and graph interpretation. Students will learn the basic graphing features of the graphing calculator.

### ALGEBRA 1 – CPX

1

This course covers arithmetic, the real number system, absolute value, linear and quadratic equations, systems of equations, inequalities, polynomial factorization, algebraic fractions, functions, square roots, radical expressions, and graph interpretation. Students will learn the basic graphing features of the graphing calculator.

### HONORS ALGEBRA 1 – HON

1

This course covers the real number system, absolute value, linear and quadratic equations, systems of equations, inequalities, polynomial factorization, algebraic fractions, functions, square roots, radical expressions, and graph interpretation with a more intense approach. Students will learn the basic graphing features of the graphing calculator.

### GEOMETRY – CP

1

This course covers points, lines, planes, triangles and polygons, circles, parallel and perpendicular lines, three-dimensional figures, constructions, transformations, and deductive reasoning.

**Prerequisite:** Successful completion of Algebra 1 CP



### GEOMETRY – CPX

1

This course covers points, lines, planes, triangles and polygons, circles, parallel and perpendicular lines, three-dimensional figures, constructions, transformations, coordinate geometry, and inductive and deductive reasoning.

**Prerequisite:** 76% or higher in Algebra 1 CPX

**NOTE:** A student with a 90% average in Algebra 1 CPX may take both Geometry CPX and Algebra 2 CPX during the same school year.

### GEOMETRY – HON

1

This course covers points, lines, planes, triangles and polygons, circles, parallel and perpendicular lines, three-dimensional figures, constructions, transformations, coordinate geometry, and inductive and deductive reasoning with an intense approach.

**Prerequisite:** 80% or higher in Honors Algebra 1

**NOTE:** A student with a 90% average in Honors Algebra 1 may take both Honors Geometry and Honors Algebra 2 during the same school year.

### SUMMER GEOMETRY – HON or CPX

1

This course is a six-week summer course which will be a combination of traditional classroom and online learning experiences. Students will be required to attend class approximately 2 days each week with additional office hour and testing times available. The course may be taken for honors or CPX credit. The course moves quickly so students should be prepared for one test each week for a total of 4 tests along with a midterm and final exam. Students may not miss more than two class days without making up the missed time with a licensed math teacher/tutor. There is separate tuition for this course. Specific course dates and information can be found at [www.mndhs.org/summermath](http://www.mndhs.org/summermath).

**Prerequisite:** Student must meet the prerequisites listed for the level desired.

### ALGEBRA 2 – CP

1

This course covers equation solving, linear functions, systems of equations and inequalities, quadratic, absolute value, and polynomial functions. Students will also explore matrices, counting techniques, probability, regression procedures, and data analysis.

**Prerequisite:** Successful completion of Geometry CP

## ALGEBRA 2 – CPX

1

This course covers linear functions, systems of equations and inequalities, rational expressions, exponents, logarithms, radicals, quadratics, absolute value, polynomials, sequences and series, matrices, and conic sections along with an introduction to trigonometry. There is a summer assignment covering a review of basic *Algebra 2* concepts required for this course.

**Prerequisite:** 76% or higher in Geometry CPX

**NOTE:** A student with a 90% average in Algebra 1 CPX may take both Geometry CPX and Algebra 2 CPX during the same school year.

## HONORS ALGEBRA 2 – HON

1

This course covers linear functions, systems of equations and inequalities, rational expressions, exponents, logarithms, radicals, quadratics, absolute value, polynomials, sequences and series, matrices, and conic sections as well as trigonometry with a more intense approach. There is a summer assignment covering a review of basic *Algebra 1* concepts required for this course.

**Prerequisite:** 80% or higher in Honors Geometry

**NOTE:** A student with a 90% average in Honors Algebra 1 may take both Honors Geometry and Honors Algebra 2 during the same school year.

## FUNCTIONS & TRIGONOMETRY – CP

1

This course includes a thorough examination of exponential, logarithmic, radical, rational, and trigonometric functions and their properties; and sequences & series. The graphing calculator and other technologies will be integrated throughout the course as appropriate while also requiring students to be able to solve problems without a calculator. There is a summer assignment covering a review of some basic *Algebra 2* concepts required for this course.

**Prerequisite:** Successful completion of Algebra 2 CP

## PRECALCULUS – CPX

1

Topics include the study of linear, quadratic, higher-degree polynomial, exponential, logarithmic and rational functions, trigonometry, including the unit circle, combinatorics, vectors, polar coordinates, the concept of limits, and regression analysis using the graphing calculator as a tool. There is a summer assignment covering a review of some basic *Algebra 2* concepts required for this course.

**Prerequisite:** 76% or higher in Algebra 2 CPX

### HONORS PRECALCULUS – HON

1

Topics include the study of linear, quadratic, higher-degree polynomial, exponential, logarithmic and rational functions, trigonometry including the unit circle, combinatorics, vectors, polar coordinates, the concept of limits, and regression analysis using the graphing calculator as a tool, as well as implicitly defined and parametric functions, with an intense approach. There is a summer assignment covering a review of some basic *Algebra 2* concepts required for this course.

**Prerequisite:** 80% or higher in Honors Algebra 2

### SUMMER PRECALCULUS – HON or CPX

1

This course is a six-week summer course which will be a combination of traditional classroom and online learning experiences. Students will be required to attend class approximately 2 days each week with additional office hour and testing times available. The course may be taken for honors or CPX credit. The course moves quickly so students should be prepared for one test each week for a total of 4 tests along with a midterm and final exam. Students may not miss more than two class days without making up the missed time with a licensed math teacher/tutor. There is separate tuition for this course. Specific course dates and information can be found at [www.mndhs.org/summermath](http://www.mndhs.org/summermath).

**Prerequisite:** Student must meet the prerequisites listed for the level desired.

## ELECTIVE & ADVANCED MATH COURSE OFFERINGS

### INTRODUCTION TO ALGORITHMS & CODING – CPX

.5

This course will use the TI-NSPIRE calculator and online resources to investigate coding and algorithms. Students will develop an understanding of the basics of writing, running, testing, editing, and optimizing a program. The concepts of variables, input/output, control structures (conditional statements and loops), and graphics will be explored. Students will utilize the design model and practice critical thinking especially during the testing and debugging process. This class will be predominantly project oriented.

### CALCULUS – HON

1

Calculus extends the concepts of functions and their applications as examined in *Precalculus* to more general cases. Using the fundamental idea of the limit of a function, the following topics are studied: continuity, differentiation, optimization, rates of change, integration, transcendental functions, and volumes of rotational solids. There is a summer assignment covering a review of some basic *Precalculus* concepts required for this course.

**Prerequisite:** 76% or higher in Precalculus CPX or successful completion of Precalculus Honors

### AP CALCULUS AB – AP

1

Calculus extends the concepts of functions and their applications as examined in *Honors Precalculus* to more general cases. The focus of the course will be on limits, derivatives, and integrals. This course will prepare the student for the College Board AP Calculus AB test. There is a summer assignment covering a review of some basic *Precalculus* concepts required for this course.

**Prerequisite:** 85% or higher in Honors Precalculus

### AP CALCULUS BC – AP

1

AP Calculus BC is an accelerated Advanced Placement course in single-variable calculus that would be equivalent to a first and second semester calculus course at most colleges and universities. This course will provide a deeper understanding of the concepts of limit, continuity, derivatives, and integrals. The major new topics covered in AP Calculus BC are parametric, polar, and vector functions; slope fields; Euler's method; improper Integrals; logistic differentiable equations; polynomial approximations and series; and Taylor and Maclaurin Series. Students may take this course after completing AP Calculus AB or they may take this course following Honor Precalculus with permission of the department. This course will move at a quick pace so students need to commit to spending considerable time outside of class on practice problems. This course will prepare the student for the College Board AP Calculus BC test. The College Board will report an AB subscore in addition to the BC score. There is a summer assignment covering a review of some basic *Precalculus* concepts required for this course.

**Prerequisite:**

- 90% in Honors Precalculus
- 90% in Honors Calculus
- Successful completion of AP Calculus AB

### COLLEGE ALGEBRA WITH FINANCE – CPX

.5

This course will provide an examination of algebraic mechanics and problem-solving skills while teaching more advanced topics, such as piecewise functions, regression analysis, limits, exponential functions, and linear/quadratic systems. Students will be able to make sense of the financial world through mathematical modeling and be equipped with the ability to make sound financial decisions based on data. The class will be structured to combine projects, Microsoft Excel and other technologies in the traditional mathematics classroom setting.

**Prerequisite:** Completion of Geometry

### GAME THEORY & DISCRETE MATH – CPX or HON

.5

This course is a survey of non-traditional mathematics concepts, including fractals, logic, patterns, graph theory, game theory, and voting theory. Some mathematics topics students will encounter include binary numbers through the study of the game of *Nim*, deductive reasoning through an investigation of the game of *Mastermind*, and an introduction to iteration and chaos theory through the study of fractals. The class structure includes teacher-directed instruction, discovery and investigation activities through group work, along with traditional and alternative assessments.

Students taking the course for honors credit will be required to complete additional assignments and projects.

**Prerequisite for CPX: Completion of Algebra 2**

**Prerequisite for HONORS: 76% or above in Algebra 2 Honors**

### STATISTICS 1 – CPX

.5

This one-semester course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to observing patterns and deviations from patterns; methods of data collection, conducting surveys and experiments, and generalizing results. Students will investigate univariate data graphs, summaries, and analysis; bivariate data graphs and analysis; and probability rules. This course will use the graphing calculator and additional technology tools for creating data displays, performing calculations, as well as fitting models to data. This course will benefit students interested in pursuing college majors in the fields of business, medicine, psychology, sociology, or journalism.

**Prerequisite: 76% or higher in any level of Algebra 2**

**NOTE: Students can take Statistics I and Statistics II CPX in the same year.**

### STATISTICS 2 – CPX

.5

This one-semester course will continue the exploration of data from Statistics 1. Students will explore probability models including binomial and geometric models as well as extending the study of the normal model; sampling distributions; confidence intervals; and hypothesis tests. A focus will be on confirming models including confidence intervals and tests of significance. This course will use the graphing calculator and additional technology tools for data analysis. This course will benefit students interested in pursuing college majors in the fields of business, medicine, psychology, sociology, or journalism.

**Prerequisite: Completion of Statistics 1**

## AP STATISTICS – AP

.5

This course will cover the same topics as *Statistics (CPX)*. However, students will spend more time studying the theory and analysis of statistical results in order to prepare for the Advanced Placement exam. Emphasis will be placed on exploring data, sampling and experimentation, anticipating patterns, and statistical inference. There is a pre-assignment due prior to the course start in January.

### **Prerequisite:**

- 85% or higher in Honors Algebra 2
- 85% or higher in Honors Precalculus
- 95% or higher in Precalculus CPX
- 95% or higher in Algebra 2 CPX

# MINISTRY & RELIGIOUS STUDIES

	Semester 1	Semester 2
Grade 9	Faith and Foundations	Hebrew Scriptures
Grade 10	Christology	Church History
Grade 11	Morality & Catholic Ethics	<b>Choice:</b> <ul style="list-style-type: none"> <li>• Comparative World Religions</li> <li>• Death to Life</li> <li>• Social Justice</li> <li>• Media and Values</li> <li>• Prayer and Spirituality</li> </ul>
Grade 12	Catholic Lifestyles	<b>Choice:</b> <ul style="list-style-type: none"> <li>• Comparative World Religions</li> <li>• Death to Life</li> <li>• Social Justice</li> <li>• Media and Values</li> <li>• Prayer and Spirituality</li> </ul>

**FRESHMEN: SEMESTER 1: FAITH AND FOUNDATIONS – CPX** 9 .5

This introductory course is designed to give the students an understanding of the basics of the Catholic faith while laying the foundation for future religious studies. Components of this course include study of sacraments, liturgy, and spirit of Mount Notre Dame through the charism of St. Julie and the mission of the Sisters of Notre Dame de Namur. This course also includes the ministry necessary for the growth and development of the freshman as she transitions to high school and her freshman year at MND.

**FRESHMEN: SEMESTER 2: HEBREW SCRIPTURES – CPX** 9 .5

Students will study both the text and context in which the Hebrew Scriptures were written, examining the literary, cultural and historical situations in which the books developed. People, places, and events that shaped these scriptures will also be examined. This approach will equip the students with the tools to better understand God’s inspired message at a personal and affective level.

**SOPHOMORES: SEMESTER 1: CHRISTOLOGY – CPX** 10 .5

Our understanding of Jesus is at the heart of our identity as a Catholic Christian community. Students will study the life, ministry, and message of Jesus Christ through the study of the Gospels. The course explores the political and religious world, daily life, preaching, actions, death and resurrection of Jesus, and the Church's evolving understanding of the Jesus of History and the Christ of Faith.

**SOPHOMORES: SEMESTER 2: CHURCH HISTORY – CPX** 10 .5

This course leads the students toward a deeper understanding of the history of the Church from the time of Christ to the 21st century. Students will study the origin and development of the Church and the trends, doctrines, events, and people who have shaped it.

**JUNIORS: SEMESTER 1: MORALITY & CATHOLIC ETHICS – CPX** 11 .5

This course includes an introduction to personal and social Christian morality, the development of conscience, and a recognition of the tenets and challenges of the Christian way of life. Students will discuss and gain an understanding of moral theology, natural law, sin & its consequences. The course identifies and explains issues which threaten the dignity of the human person throughout one's lifetime.

**SENIORS: SEMESTER 1: CATHOLIC LIFESTYLES – CPX** 12 .5

Following the mission of the Sisters of Notre Dame de Namur, "to make known God's goodness by educating for life," this course actively examines the issues, choices, opportunities, and challenges facing our young women today. The student will study **lifestyle paths** (single life, marriage, and religious life), as well as **life themes** that are common to all of these paths: identity/autonomy, creativity/learning, work, money/possessions, sexuality, love, friendship, suffering/healing. This course includes Senior Seminars which engage the student in a variety of relevant topics with the goal of preparing her for the challenges facing a young woman today.

**JUNIORS AND SENIORS: SEMESTER 2: ELECTIVE CHOICE**

*Juniors and Seniors should indicate their **first and second choices** for their Religion elective.*

**COMPARATIVE WORLD RELIGIONS – CPX** 11/12 .5

This course uses a comparative approach to teach an appreciation for the distinctive characteristics of Catholicism. The student will map out the basic elements of the world's rich religious traditions and will explore various faiths' answers to the fundamental questions of life while growing in an awareness of the spiritual truths that can be found in them. This course will allow students to grow in their understanding of and appreciation for interreligious dialogue through the Church's document, *Nostra Aetate*, as well as ecumenism.

**DEATH TO LIFE – CPX** 11/12 .5

This course considers the topic of death and afterlife from a Catholic perspective. Within the context of the Resurrection, the course explores: celebrating the life that comes from death, grief reactions, the stages of death and dying, customs surrounding death, and financial considerations and moral issues related to death.



**SOCIAL JUSTICE – CPX**

11/12

.5

This course will provide students with the opportunity to analyze issues related to justice through a Catholic Social Teaching lens inspired by the Gospel message of Jesus and the Hallmarks of the Sisters of Notre Dame de Namur. Current social justice issues such as immigration, racism, poverty and homelessness, environmental degradation, consumer power, and human trafficking will be addressed and understood more fully through direct engagement with the community. Students will be challenged to make personal commitments to building God's kingdom.

**MEDIA AND VALUES – CPX**

11/12

.5

This course looks closely at the values of our culture as presented by the media. The student will become media literate and learn to evaluate critically the media, including music, TV, advertising, news, and film. This critical analysis will look at the message of the media as it comes in conflict or affirms the message of Jesus.

**PRAYER AND SPIRITUALITY – CPX**

11/12

.5

This course is for the student who wishes to grow in her relationship with God through learning new ways of prayer, reflecting on her life, and looking at models of spirituality from our rich tradition. This course will challenge the student to look at herself in a deeper manner than usual. This consciousness of self will provide an opportunity to encounter God through reflection and prayer.

# PHYSICAL EDUCATION & HEALTH

Mount Notre Dame students are required to earn 1 credit from the Physical Education and Health Department. This can be achieved as follows:

- .5 credits of Physical Education and .5 credits of Health
- Or
- .25 credits of Physical Education and the Physical Education Waiver, and .5 credits of Health

## Physical Education Waiver

Beginning with the Class of 2023, Mount Notre Dame students who participate in two seasons of Mount Notre Dame sports or Mount Notre Dame Dance Team, high school marching band, high school show choir, or high school cheerleading team may waive .25 physical education credit. Participation is defined as active involvement in 75% or more of the activity's season. Due to state law, the waiver is not able to be applied retroactively, and therefore it does not apply to students who are in the class of 2022.

SAMPLE Physical Education Pathways for the Class of 2023 – 2025			
	Year 1	Year 2	Credit Totals
<b>Traditional P.E. Pathway</b>	P.E. Course: Fitness and Lifetime Sports .25 Health .5	P.E. Course: Fitness for Health and Sports Performance .25	= .5 P.E. Credits = .5 Health Credits
<b>Using P.E. Waiver</b>	Sports Seasons 1 & 2		= .25 P.E. Credits = P.E. Waiver = .5 Health Credits
	P.E. Course: Fitness and Lifetime Sports .25 Health .5		
<b>Using P.E. Waiver</b>	Band Season 1	Band Season 2	= .25 P.E. Credits = P.E. Waiver = .5 Health Credits
	P.E. Course: Fitness and Lifetime Sports .25 Health .5		

## PHYSICAL EDUCATION COURSES

All .25 credit Physical Education courses are a semester in length, unless otherwise indicated.

### FITNESS AND LIFETIME SPORTS – NHR 9/10/11/12 .25

#### **Individual sports, health related fitness, and a greater understanding of leisure time activities:**

Personal fitness, cooperation, sportsmanship, safety, and teamwork are paramount for this course designed for both the average-skilled and unskilled student. Students will participate to the best of their abilities in activities such as tennis, golf, bowling, badminton, croquet, bocce ball, cornhole, table tennis, frisbee golf, relaxation, and fitness. This course has no tests, exams, or assigned homework.

**NOTE: This course may be repeated.**

### FITNESS AND TEAM SPORTS – NHR 9/10/11/12 .25

#### **Team sports and the relationship of sport and competition to daily life:**

Personal fitness, cooperation, sportsmanship, safety, and teamwork are paramount in this course designed for both the average-skilled and unskilled student. Students will participate to the best of their abilities in activities such as basketball, volleyball, flag football, ultimate frisbee, soccer, softball, floor hockey, and fitness. This course has no tests, exams, or assigned homework.

**NOTE: This course may be repeated.**

### ❖ FITNESS FOR HEALTH AND SPORTS PERFORMANCE – NHR 9/10/11/12 .25

#### **Enhanced sports performance and general health:**

Students will develop and participate in their own *individualized and progressive workout routines* for increased muscular strength and endurance– no need to be strong already. Lifting principles of varied types of weight bearing activities (strength bands, kettlebells, body weight, free weights, and medicine balls to name a few) are taught and used as well as techniques for safety to help enhance productivity and enjoyment of life. Strengthen your heart, lower disease risk, boost vitamin D, have more energy, become happier, study better, do more for longer, improve circulation, and improve sleep. This course has no tests, exams, or assigned homework. Class size is limited.

**NOTE: This course may be repeated.**

### WORKOUTS FOR WELLNESS – NHR 9/10/11/12 .25

#### **Enhanced physiological health and mental well-being:**

Students will participate in *group activities* designed to increase muscular strength, endurance, and cardiovascular fitness. This course emphasizes physical activity for better body functioning, enhanced self-esteem, and stress/anxiety reduction. Strengthen your heart, lower disease risk, boost vitamin D, have more energy, become happier, study better, do more for longer, improve circulation, and improve sleep. This course has no tests or exams.

**NOTE: This course may be repeated.**

## HEALTH COURSES:

### HEALTH – CPX

9/10/11/12 .5

#### **Safety and wellness:**

This semester course has two major areas of study: community first aid and safety (taught according to the guidelines of the American Red Cross), and wellness education. The latter encompasses many topics which encourage the development of life skills for a healthy lifestyle.

**NOTE:** This course is required for graduation.

### WOMEN'S HEALTH – CPX

11/12 .5

#### **Personal health and wellness:**

This semester course provides an in-depth focus on women's health issues and the development of skills for a healthy lifestyle. Some topics of instruction includes personal safety, fitness, nutrition, relationships, stress/anxiety reduction, and first aid. This course also provides activities to encourage and promote a healthy lifestyle.

**NOTE:** This course cannot be used to replace the MND required Health course for graduation.

## Typical MND Science Pathways



- SEMESTER ELECTIVES**
- Forensic Science CPX
  - Graphical User Interface Design CPX
  - Introduction to 3D Modeling CPX
  - Laboratory Practicum CPX

The rings of this diagram align with the four-year science curriculum at MND. The innermost ring contains the Biology options for the freshman year of study. Additional course options for successive years are shown in the concentric rings. The dotted division line signifies that these courses are open to both juniors and seniors.

**Minimum Graduation Requirements**

Three (3) units of Science comprised of...

- 1 Physical Science
- 1 Life Science
- 1 Additional Science

# SCIENCE

## LIFE SCIENCES

### ★ BIOLOGY – CP

9

1

This course introduces you to the basic principles of molecular and cellular biology, genetics, heredity, evolution and ecology. This course is designed to help students understand and appreciate the unity and diversity that characterizes life. Students will also learn to reason effectively, think critically, and solve problems utilizing the engineering design process and science processing skills.

### ★ BIOLOGY – CPX

9

1

This course introduces you to the basic principles of molecular and cellular biology, genetics, heredity, evolution and ecology. This course is designed to help students understand and appreciate the unity and diversity that characterizes life. This course requires the student to go beyond gaining knowledge of biological concepts, and will practice applying, analyzing, synthesizing, and evaluating that knowledge. Students will also learn to reason effectively, think critically, and solve problems utilizing the engineering design process and science processing skills.

### ★ HONORS BIOLOGY – HON

9

1

This course includes topics in molecular and cellular Biology, Genetics, Evolution, Ecology, Human Biology and the Diversity of Life. Designed for those who have advanced academic skills and are highly self-motivated, the course requires the students to go beyond gaining knowledge of biological concepts. Students will practice applying, analyzing, synthesizing, and evaluating that knowledge utilizing the engineering design process and science processing skills. Emphasis is placed on differentiating instruction to allow for the development of extended critical and creative thinking skills, as well as continued development of academic self-discipline and independence. Students may want to begin their path towards taking advanced science courses by choosing this class.

## ★ AP BIOLOGY – AP

11/12

1

This course is designed for the second-year biology student who has curiosity and enthusiasm about the natural world. It is a course where future geneticists, ecologists, biology teachers, evolutionary biologists, biochemists, doctors and many others begin their studies. As each topic unfolds, you will begin to see that you may have more questions than answers as we explore the exciting discoveries that influence our work, our families, our environment and our health. Topics covered include: cells, cellular processes, genetics, plant and animal evolution, organism behavior, ecology, and a unit on the anatomy and physiology of living things. Labs are emphasized and are a significant part of the course. This course is designed to provide high school students with a college-level course that prepares the student to take the College Board AP Exam.

### **Prerequisite:**

- **Life science: Completion of Honors Biology OR 90% in Biology CPX**  
**AND**
- **Physical science: 86% in Honors Chemistry OR 95% in Chemistry CPX**

## ANATOMY AND PHYSIOLOGY – CCP

11/12

1

This is a college-level course in partnership with Cincinnati State on the structure and function of the human body. Topics covered include: orientation to anatomy and physiology; cellular function; tissues; special senses; and integumentary, skeletal, muscular, nervous systems, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems; metabolism; fluid and electrolyte balance; and human growth and development. The pace of this course will be rigorous and match the pace of a college course. A student who is interested in the medical field should consider this course.

**Prerequisite: Completion Honors Chemistry.**

**NOTE: Science offerings for CCP credit at Mount Notre Dame are contingent on the MND teacher qualifying for adjunct professor status with our partner colleges. In the event of a staffing change, CCP credit may be unavailable while MND would continue to offer the course.**

## ANATOMY AND PHYSIOLOGY – CPX

11/12

1

The purpose of this course is to provide a rigorous study of the structure and function of the human body. The course explores how the body works and what happens when a system isn't working. Current bioethical issues and medical advancements are also discussed. Labs and dissections are also a required part of this course.

### **Prerequisite:**

- **Completion of Chemistry or 90% in Integrated Science**
- **If coming from CP level, must have a 90% in previous Science CP level courses**

### ANATOMY AND PHYSIOLOGY – CP

11/12

1

The purpose of this course is to study of the structure and function of the human body. Major topic areas of the course include: general plan of the human body; human development; organ systems; and causes, cures, and prevention of diseases. Labs and dissections are also a required part of this course.

**Prerequisite:** Completion of Integrated Science or Chemistry

**NOTE:** This course is not open to any student with a CPX science grade exceeding 77% unless the signature of the science department chairperson is obtained.

### ENVIRONMENTAL SCIENCE – CP

11/12

1

This course is a hands-on approach to investigating ecology, pollution, waste management and sustainability. Topics include the workings of ecosystems, cycles, recent human impacts on the Earth, and the interactions between biotic and abiotic factors. Applications of biological concepts to current environmental issues will be stressed.

**Prerequisite:** Completion of Integrated Science or Chemistry

**NOTE:** This course is not open to any student with a CPX science grade exceeding 77% unless the signature of the science department chairperson is obtained.

### ENVIRONMENTAL SCIENCE – CPX

11/12

1

This course introduces students to broad environmental science concepts and methodologies to understand the natural world and the impact humans have on the environment. It is a hands-on course with special emphasis placed on identifying and analyzing environmental problems to produce solutions for resolving and/or preventing these issues.

**Prerequisite:**

- Completion of (or concurrent with) Honors Chemistry or Chemistry CPX
- 90% in Chemistry CP or 90% Integrated Science CPX /CP

## PHYSICAL SCIENCES

### INTEGRATED SCIENCE – CP

10

1

The purpose of this course is to introduce students to the basics of chemistry and physics. Space & Earth science connections are made in both areas as well. The Engineering Design Process are introduced and science process skills are emphasized.

**Prerequisite:** Completion of Biology



### INTEGRATED SCIENCE – CPX

10

1

The purpose of this course is to provide a rigorous study to introduce students to the basics of chemistry and physics. Space & Earth science connections are made in both areas as well. The Engineering Process Design and science process skills are emphasized. This course is taught as a preparatory course for chemistry and physics.

#### Prerequisite:

- Completion of Honors Biology/Biology CPX  
AND
- 80% in Algebra I CP/CPX

### ★ CHEMISTRY – CP

11/12

1

The purpose of this course is to provide students with a study of the composition, properties, and changes associated with matter. This course includes the same topics listed above for *Chemistry CPX* but with less mathematical orientation and a less intense approach.

Prerequisite: 80% in Geometry CP or Algebra 2 CP

### ★ CHEMISTRY – CPX

10/11/12

1

The purpose of this course is to provide students with a rigorous study of the composition, properties, and changes associated with matter. This course includes a study of measurement skills, atomic structure, bonding, stoichiometry, states of matter, periodic trends, solutions, acids, bases and equilibrium, and simple chemical and nuclear reactions. Mathematical relationships of chemical reactions and mathematical descriptions of gas behavior are studied under experimental conditions and in problem-solving situations. Laboratory experiences are designed to reinforce course content.

#### Prerequisite:

- 85% in Honors Biology or 90% in CPX Biology or 85% in Integrated CPX  
AND
- 85% in current math

NOTE: The sophomore student is not permitted to waiver into Chemistry.

### ★ HONORS CHEMISTRY – HON

10/11/12

1

This course provides a rigorous theoretical and mathematical model for understanding the study of atomic structure and the interrelationships among the chemical systems. It is designed to develop conceptual modeling, scientific and chemical literacy, critical thinking skills, problem solving skills, proficiency in the use of scientific technology, and proficiency in oral and written communication.

#### Prerequisite:

- 90% Honors Biology or 95% in Biology CPX or 90% in Integrated CPX  
AND
- 90% in current math

NOTE: The sophomore student is not permitted to waiver into Chemistry.

### ★ AP CHEMISTRY – AP

11/12

1

Designed for the second-year chemistry student, this course is the equivalent of the general chemistry course usually taken during the first college year. It includes an in-depth study of introductory chemistry, chemical kinetics, chemical equilibrium, and mechanisms of chemical reactions. The format of the course is a combination of lecture, lab, videos, animations, and cooperative learning. Content, inquiry, and reasoning skills are equally important in AP Chemistry. The student must be motivated and willing to do extensive independent work in and out of class. This course follows the guidelines set forth by the AP College Board and is designed to prepare the student to take the College Board AP Exam.

#### Prerequisite:

- 90% in Honors Chemistry  
AND
- 90% in Honors Algebra II or Algebra II CPX

### ★ HONORS PHYSICS – HON

11/12

1

This college level course is a traditional, algebra-based survey course for first year physics. There is emphasis on Newtonian mechanics, work, energy, power, wave motion and sound. It also introduces thermodynamics, fluids, electricity, magnetism, circuits, light, optics and modern physics. Critical thinking and problem-solving skills are stressed. A strong mathematical background is required.

#### Prerequisite:

- Completion of Honors Chemistry or 90% in Chemistry CPX  
AND
- 85% in Honors Algebra II or 90% in Algebra II CPX

### ★ PHYSICS – CPX

11/12

1

This is a fundamental course designed for the college prep student. Emphasis is on a thorough introduction to the core topics for first year physics using algebra. These topics include Newtonian mechanics, work, energy, power, wave motion, sound, light, optics, electricity, magnetism, circuits, and modern physics. Critical thinking, problem solving, and mathematical skills necessary for college physics will be developed.

#### Prerequisite:

- 80% in Chemistry CPX  
AND
- 80% in Algebra II CPX

NOTE: Can be taken concurrently with Algebra II CPX AND 84% in Geometry

### PHYSICS – CP

11/12

1

This is a fundamental course designed for the college prep student. Emphasis is on a conceptual understanding of core physics topics while developing the mathematical skills necessary for college physics. The course introduces the core topics for first year physics, including Newtonian mechanics, work, energy, power, wave motion, sound, light, optics, electricity, magnetism, circuits, and modern physics. Critical thinking, problem solving, and mathematical skills necessary for college physics will be developed.

#### **Prerequisite:**

- **Completion of Chemistry**  
**AND**
- **80% in Algebra II**

### ★AP PHYSICS C: MECHANICS – AP

11/12

1

AP Physics C: Mechanics is equivalent to a one-semester, calculus-based, college-level physics course. Introductory differential and integral calculus is used throughout the course. It is appropriate for students planning to major in physical science or engineering. This course explores kinematics; Newton's laws of motion; work, energy and power; linear momentum; circular motion and rotation; oscillations; and gravitation. This course includes a laboratory component comparable to a semester-long introductory college-level physics laboratory. More than 20% of a student's instructional time is engaged in hands-on laboratory work. Each student will complete a portfolio which will document their lab investigations for the year.

**NOTE: Can be taken concurrently with AP Calculus or Calculus Honors.**

#### **Prerequisite:**

- **Completion of Chemistry**  
**AND**
- **90% in Honors PreCalculus, Calculus Honors, AP Calculus AB, or AP Calculus BC**

### INTRODUCTION TO 3D MODELING – CPX

9/10/11/12

.5

This introductory course is designed for students to explore the fundamental concepts, principles, and practice of 3D modeling. Students will learn how to design and print 3D models.

**ENGINEERING FOUNDATIONS – CPX**

11/12

1

The purpose of the course is expose students to the engineering field. Engineering can be defined as a process that seeks to improve the quality of life through innovative solutions to real world problems recognizing ethical and societal influences. Engineering uses all knowledge, especially math and science. Engineering is a team-based practice where multiple, alternate solutions are identified under given constraints. When solutions fail, we learn from the failure. The process is repeated to refine and communicate the “best” solution. Students will receive instruction on the engineering design process in a project based environment. This class is combined with *Introduction to Engineering Honors*.

**Prerequisite: Completion of Chemistry Honors or 85% in Chemistry CPX**

**ENGINEERING FOUNDATIONS – HON**

11/12

1

The purpose of the course is expose students to the engineering field. Engineering can be defined as a process that seeks to improve the quality of life through innovative solutions to real world problems recognizing ethical and societal influences. Engineering uses all knowledge, especially math and science. Engineering is a team-based practice where multiple, alternate solutions are identified under given constraints. When solutions fail, we learn from the failure. The process is repeated to refine and communicate the “best” solution. Students will receive instruction on the engineering design process in a project based environment. This class is combined with the *Engineering Foundations (CPX)* class, and students receiving honors credit will be responsible for completing additional assignments each semester.

**Prerequisite: Completion of Chemistry Honors or 90% in Chemistry CPX**

**FORENSIC SCIENCE – CPX**

11/12

.5

Forensic science is a lab-based, cross-curricular course that involves all areas of science including biology, anatomy, chemistry, physics, and earth science. Students will use scientific knowledge, complex reasoning and technology to investigate how scientist collect, analyze, and store evidence. This course will require skills in observation, reasoning, and critical thinking.

**Prerequisite: Successful completion of Integrated Science or Chemistry**

## FOUNDATIONS OF ENGINEERING DESIGN THINKING I – CCP

11/12

.5

This course introduces the engineering professions through multidisciplinary, societally relevant content. Students will learn how to develop approaches for comprehending engineering systems and generating and exploring creative ideas and alternatives. Students will investigate concepts in creativity, innovation, engineering fundamentals, and problem-solving methodologies. Through projects students will learn the process of design and analysis in engineering including how to work effectively on a team. Finally, students will develop skills in project management, sustainability, written, oral and graphical communication, logical thinking, and modern engineering tools (e.g., Excel, Python, LabVIEW, MATLAB, Visual Basic, CAD, Rapid Prototyping).

**Prerequisites:** Successful completion of Honors Algebra II

**NOTE:** .5 credit is assigned for the purposes of MND scheduling, however, 1 credit will be awarded on the transcript for students who will earn college credit through the State of Ohio College Credit Plus Program.

**NOTE:** Science offerings for CCP credit at Mount Notre Dame are contingent on the MND teacher qualifying for adjunct professor status with our partner colleges. In the event of a staffing change, CCP credit may be unavailable while MND would continue to offer the course.

## GRAPHICAL USER INTERFACE DESIGN – CPX

10/11/12

.5

This course is a hands-on introduction to the design of user interfaces for computer applications. The user interface is arguably the most important piece of any software application. User Interface Design is a multi-disciplinary practice which spans everything from art and psychology to software programming. Students will practice designing simple interfaces with Java™. Java is a powerful and flexible language which allows the designer complete control. Throughout the semester, students will be introduced to the user interface concepts and tools needed to achieve an artistic and efficient design.

**Prerequisite:** Successful completion of Geometry

## LABORATORY PRACTICUM – CPX

11/12

.25

This is a thirty (30 hour) individual study designed to provide practical experience in the science laboratory through exposure to laboratory management and procedures. The student will be given “hands-on” experience by assisting a classroom teacher in set-up, clean-up and execution of experiments. The student must schedule a free period in her schedule and turn in the *Practicum Agreement* during her scheduling meeting. Once the master school schedule is formed and a science teacher match is created, the teacher and student will create a contract that outlines the specific expectations for this practicum experience.

**Prerequisite:** Practicum agreement to be turned in at scheduling meeting. Approval of science teacher to participate in course.

# SOCIAL STUDIES

## REQUIRED COURSES

### GLOBAL PERSPECTIVES – CPX

9

.5

This is a preparatory course in mastering social studies skills needed for learning about global geography, United States and world history, government, and economics. Students will be introduced to the five basic themes of geography and apply them to what has happened and is currently happening in various global regions, and examine the issues of these regions from multiple perspectives.

### AP HUMAN GEOGRAPHY – AP

9

1

*Human Geography* is the study of how people make places, how people organize space and society, how people interact with each other in places and across space, and how people make sense of others and ourselves speaking along the lines of locality, region, and world. The student will be able to use spatial concepts and landscape analysis to examine human organization of space. She will also be able to understand spatial relationships at different scales ranging from the local to the global. Finally, the course will show how to use and interpret maps, data sets, and geographic models by creating such maps, graphs, and charts. **Students will be required to complete a summer assignment prior to the beginning of the school year.**

## US HISTORY

### U.S. HISTORY – CP

10

1

This course presents a survey from the colonial period to the present time, with concentration on the broad movements in American history. Students will study the changes in American geography as well as the people and events that have influenced our nation. This course covers similar topics as *U.S. History CPX* with less depth.

**Prerequisite:** Successful completion of Global Perspectives and/or the recommendation of the department.

### U.S. HISTORY – CPX

10

1

This course presents a survey from the colonial period to the present time, with concentration on the broad movements in American history. Students will study the changes in American geography as well as the people and events that have influenced our nation.

**Prerequisite:** 82% in Global Perspectives and/or recommendation of the department.

## U.S. HISTORY – AP/CCP

10

1

This course surveys the directions of American growth with special emphasis on social history as well as major political themes. Using a college level text, classes are fast-paced and challenging. Round table discussions and review of primary documents prepare the student for the College Board Advanced Placement exam in May. The student needs to be self-motivated and willing to do extensive reading to succeed. Students may be required to complete a summer assignment prior to the beginning of the school year. **Students may be required to complete a summer assignment prior to the beginning of the school year.**

**Prerequisite: 82% in AP Human Geography or 95% in Global Perspectives and/or recommendation of the department.**

For US History CCP the student must be enrolled at Cincinnati State.

**NOTE: Social Studies offerings for CCP credit at Mount Notre Dame are contingent on the MND teacher qualifying for adjunct professor status with our partner colleges. In the event of a staffing change, CCP credit may be unavailable while MND would continue to offer the course.**

## WORLD HISTORY

Note: The curriculum order of the *Modern World History CP*, *Modern World History CPX*, and *AP World History* courses is not parallel. Changing levels after the third week of the school year is extremely challenging for students due to the pacing and focus of the course content. Students and parents should carefully consider course choices and consult the teachers before making final course selections. If concerned about placement, please speak to the teacher on curriculum day.

### MODERN WORLD HISTORY – CP

11

1

This is a survey of the histories of Eastern and Western civilizations. Emphasis is placed on geography and developments in art, architecture, literature, religion, economics, politics, and philosophy. This course covers the same topics as *World History CPX* at a less intense pace. Students will complete a research-based assignment that will utilize MLA format.

**Prerequisite: Successful completion of US History and/or the recommendation of the department.**

### MODERN WORLD HISTORY – CPX

11

1

This is a survey of the histories of Eastern and Western civilizations. Emphasis is placed on geography and developments in art, architecture, literature, religion, economics, politics, and philosophy. Students will complete a research-based assignment that will utilize MLA format.

**Prerequisite: 76% in US History CPX or 95% in US History CP and/or recommendation of the department.**

## AP WORLD HISTORY: MODERN – AP

11

1

*AP World History: Modern* is a college-level course surveying World History, from 1300 to the present day. The core content is driven primarily by the requirements of the College Board's *AP World History: Modern* course description and will engage students in higher-level critical thinking and historical analysis. Students will complete a research-based assignment that will utilize MLA format. **Students may be required to complete a summer reading assignment prior to the beginning of the school year.**

**Prerequisite:** 90% in U.S. History CPX or 85% in AP U.S. History and/or recommendation of the department

**NOTE:** Students are expected to sit for the AP World History: Modern exam or must sit for the MND course final exam.

## **ECONOMICS AND PERSONAL FINANCE**

### ECONOMICS AND PERSONAL FINANCE – CP

12

.5

This course is designed to equip students with the analytical tools necessary to make reasoned, objective judgments about current economic issues and their personal economic decisions. This course will provide students with a broad overview of the field of economics, exploring microeconomics, macroeconomics, and personal finance. This course offers similar topics as *Economics CPX* but with less depth.

**Prerequisite:** Successful completion of Modern World History and/or the recommendation of the department.

### ECONOMICS AND PERSONAL FINANCE – CPX

12

.5

This course is designed to equip students with the analytical tools necessary to make reasoned, objective judgments about current economic issues and their personal economic decisions. This course will provide students with a broad overview of the field of economics, exploring microeconomics, macroeconomics, and personal finance.

**Prerequisite:** 76% in Modern World History CPX or 95% in Modern World History CP and/or recommendation of the department.

### ECONOMICS AND PERSONAL FINANCE – HONORS

12

.5

This course is designed to equip the honors student with the analytical tools necessary to make reasoned, objective judgments about current economic issues and their personal economic decisions. At the honors level, students should expect regular case-studies, analytical readings and basic statistical analysis. This course will provide students with a broad overview of the field of economics, exploring microeconomics, macroeconomics, and issues of personal finance. **Students may be required to complete a summer assignment prior to the beginning of the school year.**

**Prerequisite:** 90% in Modern World History CPX or 85% in AP World History: Modern and/or recommendation of the department.



## GOVERNMENT

### U.S. GOVERNMENT – CP

12

.5

The goal of this course is to provide the students with an understanding of our American government and political behavior. Content focuses on the major aspects of the development, organization, and operation of the system of government in the United States with emphasis on the legislative, executive, and judicial branches. This course will afford the student the opportunity to participate in the political environment as informed and effective members of the U.S. citizenry. This course covers similar topics as *U.S. Government CPX* but with less depth.

**Prerequisite:** Successful completion of Modern World History and/or the recommendation of the department.

### U.S. GOVERNMENT – CPX

12

.5

The goal of this course is to provide the students with an understanding of our American government and political behavior. Content focuses on the major aspects of the development, organization, and operation of the system of government in the United States with emphasis on the legislative, executive, and judicial branches. This course will afford the student the opportunity to participate in the political environment as informed and effective members of the U.S. citizenry.

**Prerequisite:** 76% in Modern World History CPX or 95% in Modern World History CP and/or recommendation of the department.

### U.S. GOVERNMENT AND POLITICS – AP

12

.5

This course provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. It is designed for the student especially interested in political science who has disciplined study habits and is highly motivated to do intensive reading. This course follows the guidelines set forth by the AP College Board and is designed to prepare the student to take the College Board AP Exam. **Students may be required to complete a summer assignment prior to the beginning of the course.**

**Prerequisite:** 90% in Modern World History CPX or 85% in AP World History: Modern and/or recommendation of the department.

## ELECTIVE COURSES

### DISCOVERING LOCAL HISTORY – CPX

11/12

.5

This course brings American history to life by studying the history of Cincinnati. Using a hands-on approach to learning, students will work with primary sources associated with our local communities. Students will showcase their learning from the course by designing a final class project. The course will utilize guest lecturers, field trips and partnerships with local universities, non-profits and historical societies to promote learning.

**Prerequisite:** Completion of U.S. History

### ❖ EUROPEAN HISTORY – AP

12

.5

The student studies the cultural, economic, political, and social development that played a fundamental role in shaping today's world. Besides a basic narrative of events and movements, the course promotes an understanding of modern European history, ability to analyze and interpret historical evidence and to express this understanding in writing. The student must be self-motivated and willing to do extensive reading to be successful. This course follows the guidelines set forth by the AP College Board and is designed to prepare the student to take the College Board AP Exam. **Students will be required to complete a summer assignment prior to the beginning of the school year.**

**Prerequisite:** 90% in Modern World History CPX or 85% in AP World History: Modern and/or recommendation of the department

### ∇ HISTORY OF THE SIXTIES – CPX

11/12

.5

**Offered in alternating years with Law and Justice (22-23 & 24-25)**

This course seeks to place the era currently known as "The Sixties" in the context of post-World War II U.S. History. In addition to the presidencies of Dwight D. Eisenhower, John F. Kennedy, Lyndon Johnson, and Richard Nixon, topics include the Civil Rights movement, the New Left, the Vietnam War and the antiwar movement, black power and the Black Panther Party, the counterculture, and the women's liberation movement. Materials include writings from the era, biography and autobiography, films and contemporary music.

**Prerequisite:** Completion of U.S. History

**HUMAN GEOGRAPHY – AP HUMAN GEOGRAPHY – AP** 10/11/12\*\* .5

*Human Geography* is the study of how people make places, how people organize space and society, how people interact with each other in places and across space, and how people make sense of others and ourselves speaking along the lines of locality, region, and world. The student will be able to use spatial concepts and landscape analysis to examine human organization of space. The student will also be able to understand spatial relationships at different scales ranging from the local to the global. Finally, the student will show how to use and interpret maps, data sets, and geographic models by creating such maps, graphs, and charts throughout the duration of the course.

**Prerequisite for 10/11/12:** 93% in current CPX history or 85% in current AP history and/or recommendation of current teacher

**NOTE:** \*\*10/11/12 may enroll in the course if they did not take it as a freshman. The course will be held if a non-freshman section can be filled. If a non-freshman section cannot be filled, non-freshmen may be placed in the freshman section. Additionally, students will complete an assignment prior to the beginning of this second-semester class.

**∇ LAW AND JUSTICE – CPX** 10/11/12 .5

**Offered in alternating years with History of the Sixties (21-22 & 23-24)**

This course provides an introduction to law and the legal system in the United States. Students will learn about constitutional law, civil and criminal law, court procedures, and civil rights. This course will be driven by class discussions, research and will utilize case studies and current events.

**INTRODUCTION TO PHILOSOPHY – CPX** 11/12 .5

This course combines lecture, discussion, and seminar techniques to introduce the student to the dominant themes in philosophy, starting with the early Greeks and ending with current post-modern ideas. Various approaches including the philosophy of God and the philosophic influences on Christian thought and theology are studied. A paper will be required as part of the final exam.

**PSYCHOLOGY – CPX** 11/12 .5

The goal of this course is to provide the students an overview of the basic concepts of psychology as they explore the biological, social, cultural, and environmental influences on human thoughts and behaviors. The course will explore prominent psychologists and their theories in the study of topics such as development, learning, intelligence, motivation, emotions, personality, stress, memory, and psychological disorders.

## PSYCHOLOGY – AP

11/12

1

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This is a rigorous and demanding course requiring students to have a strong work ethic, to read at a rigorous pace, and to complete a variety of writing assignments. Students are expected to demonstrate strong writing and analytical skills and independent work habits. This course follows the APA guidelines for Advanced Placement Psychology, and students are expected to take the AP exam. **Students may be required to complete a summer assignment prior to the beginning of the school year.**

**Prerequisite:** 90% in US History CPX or Modern World History CPX or Psychology CPX or 85% in current AP history course and/or recommendation of department

## ❖ THE VICTORIAN PERIOD

12

.5

This course will examine the reign of Queen Victoria and the period to which she gave her name. Attention will be given to development of mores that came to define proper middle-class society. This course will use both primary and secondary sources.

**Prerequisite:** Completion of Modern World History

# WORLD LANGUAGES

Most colleges require a minimum of two units of the same world language (through *French II / Latin II / Spanish II*). Three or four years of the same world language will strengthen your college application. Please check specific college websites for their requirements and language offerings.

The Curriculum Mastery Exam in French, Latin, or Spanish is offered in the Spring to incoming students who have had prior exposure to French, Latin, or Spanish in grade school through formal classes or native speaking experiences. Students with background equivalent to one level of high school World Language are encouraged to **participate in** the assessment so that the language teachers can make a proper placement recommendation. All students who plan to enroll in level 2 or higher of a world language **MUST** take the Curriculum Mastery exam, even if they will be issued official high school credit by their grade school.

## CLASSICAL LANGUAGE

### LATIN I – CPX

1

*Latin I* covers many aspects of traditional Roman culture, civilization, and history as well as numerous grammar structures. Students completing *Latin I* will have developed a sound basis for the study of Romance languages such as French, Spanish, and Italian, and will have improved their command of English by strengthening vocabulary skills through the study of derivatives.

**Prerequisite: Recommendation of the department**

### LATIN II – CPX

1

As in *Latin I*, *Latin II* emphasizes the learning of the significance and contributions of Roman culture and civilization. *Latin I* grammar structures are reviewed, and new structures are learned.

**Prerequisite: Latin I and recommendation of the department  
(The Curriculum Mastery Exam will be used for grade 9.)**

### LATIN III – CPX

1

The third level of Latin reinforces speaking, listening, reading, and writing skills. The study of culture and history continues. Grammatical structures and vocabulary are incorporated.

**Prerequisite: Latin II and recommendation of the department**

## LATIN IV – CPX

1

The fourth level of Latin further develops skills in speaking, listening, reading and writing. Learners complete mastery of grammatical constructions. There is a heavy emphasis on Latin literature.

**Prerequisite:** Latin III CPX and recommendation of the department

## **CLASSICAL LANGUAGE: HONORS PROGRAM**

### HONORS LATIN I – HON

1

This course is designed to challenge the language student in Latin I. There is deeper involvement in the grammar and reading of the Latin language and emphasis on Roman history, emperors, and mythology.

**Prerequisite:** Recommendation of the department

### HONORS LATIN II – HON

1

This course is designed to challenge the advanced language student. There is deeper involvement in the grammar and reading of the Latin language and emphasis on Roman history, emperors, and mythology.

**Prerequisite:** Latin I and recommendation of the department  
(The Curriculum Mastery Exam will be used for grade 9.)

### HONORS LATIN III – HON

1

Students opting to take *Latin III* will find a deeper investigation into the complexities of the language while focusing on historical characters and situations in two different parts of the Roman Empire in the first century A.D. Emphasis in the course will be on perfecting translation skills, understanding complex sentence structures, and developing a larger knowledge base in both Latin and English vocabulary.

**Prerequisite:** Latin II and recommendation of the department

### HONORS LATIN IV – HON

1

This course is designed to challenge the advanced language student. There is completion of grammatical constructions with heavy emphasis on Latin literature. Much reading of Latin authors such as Martial, Ovid, Catullus, and Vergil.

**Prerequisite:** Latin III and recommendation of the department

### AP LATIN – AP

1

This course will prepare students to take the AP exam the poetry they are reading and to demonstrate a grasp of grammatical structures and vocabulary. Since the appreciation of Latin literature requires an understanding of the literary techniques of Latin writers and of poetic meters when appropriate, stylistic analysis is an integral part of the advanced work in the course. In addition, this course includes the study of the cultural, social, and political context of the literature.

**Prerequisite:** Honors Latin III or Honors Latin IV and recommendation of the department

## MODERN WORLD LANGUAGES

### BEGINNING SPANISH PART 1 – CP

1

The student is introduced to the language and culture of the Hispanic world at a less rigorous pace than that of *Spanish I CPX*. Vocabulary acquisition, listening, speaking, reading and writing skills are emphasized. Authentic situations and sources will be utilized whenever possible. **This course and the following (Beginning Spanish Part 2) will prepare the student to take Spanish II.** In this CP sequence, Spanish I is studied over a two year period.

**Prerequisite:** 9 – Between 35th and 50th percentile on the verbal areas of the placement test

10, 11 – Cumulative average of 77% in current English CP class or waiver

This class is not open to English CPX students with a grade of 85% or higher.

**Note:** Beginning Spanish Part 1 must be followed by Beginning Spanish Part 2.

### BEGINNING SPANISH PART 2 – CP

1

This course is designed to follow *Beginning Spanish Part 1*. Listening, speaking, reading, and writing skills are reinforced. Structure and grammar acquisitions complete the student's knowledge needed to advance to *Spanish II*. Beginning Spanish Part 2 must be completed to acquire a full level of Spanish I.

**Prerequisite:** Beginning Spanish Part 1

### FRENCH I – CPX

1

### SPANISH I – CPX

1

The student is introduced to the language and culture of the French or Hispanic world. The course follows a sequence of listening, speaking, reading, and writing as the student experiences the basic structures of the language (grammar) and vocabulary. She communicates about her friends, family, school, and leisure activities. The student will improve her command of English by strengthening vocabulary and grammar skills. Authentic situations and sources will be utilized whenever possible.

**Prerequisite:** Recommendation of the department

### FRENCH II – CPX

1

### SPANISH II – CPX

1

The student increases her ability to communicate in the language by practicing listening, speaking, reading, and writing skills. She experiences new grammatical structures and vocabulary. She becomes more familiar with the French or Hispanic cultures by reading about lifestyles, concerns, and interests. Authentic situations and sources will be utilized whenever possible.

**Prerequisite:** Recommendation of the department

(The Curriculum Mastery Exam will be used for grade 9.)

### SPANISH II – CP

1

This course is designed to follow *Beginning Spanish Part 2* or to provide a slower second-year course for students who have completed *Spanish I*. The student will increase her ability to communicate in Spanish by reviewing fundamentals in listening, speaking, reading, and writing skills at a less rigorous pace than *Spanish II CPX*. Authentic situations and sources will be utilized whenever possible.

**Prerequisite: Beginning Spanish Part 2 or Spanish I CPX**

### FRENCH III – CPX

1

### SPANISH III – CPX

1

Speaking, listening, reading, and writing skills are reinforced. The study of culture and history, everyday situations, short stories, and selected readings are the basis for communication. The student is introduced to story, music, literature, and the arts of the French/Hispanic culture. New grammatical structures and vocabulary are incorporated. Authentic situations and sources will be utilized whenever possible.

**Prerequisite: French II CPX or Spanish II CPX and recommendation of the department**

### SPANISH III – CP

1

Speaking, listening, reading, and writing skills are reinforced at a less rigorous pace than in *Spanish III CPX*. The study of culture and history, everyday situations, short stories, and selected readings are the basis for communication. Authentic situations and sources will be utilized whenever possible.

**Prerequisite: Recommendation of the department**

### FRENCH IV – CPX

1

### SPANISH IV – CPX

1

This course is designed to increase the student's proficiency in the four communication skills: speaking, listening comprehension, reading comprehension, and writing. Included in the course are selected pieces of literature. There is a systematic review of grammar as well as an expansion of vocabulary and idiomatic expressions. A study of communication and contemporary culture is included. Authentic situations and sources will be utilized whenever possible.

**Spanish IV includes experiences outside of the classroom and/or service to the Hispanic community.**

**Prerequisite: Recommendation of the department**

## **MODERN WORLD LANGUAGES: ADVANCED PLACEMENT AND HONORS**

Honors courses in world languages are designed for the student who has demonstrated mastery of language skills and a commitment to increasing her proficiency. To participate in honors level classes, a student must meet the prerequisites for each class. A student who does not maintain class requirements and falls below an 80% may be asked to move to the CPX level. *Honors Spanish IV* and *AP Spanish Language* include experiences outside of the classroom and/or service to the Hispanic community.



HONORS FRENCH I – HON 1

HONORS SPANISH I – HON 1

The student is introduced to the language and culture of the French or Hispanic world in a level 1 class designed to challenge through pacing and content. The course follows a sequence of listening, speaking, reading, and writing as the student experiences the basic structures of the language (grammar) and vocabulary. She communicates about her friends, family, school, and leisure activities. The student will improve her command of English by strengthening vocabulary and grammar skills. Authentic situations and sources will be utilized whenever possible.

**Prerequisite: Recommendation of the department**

HONORS FRENCH II – HON 1

HONORS SPANISH II – CCP/HON 1

Speaking, reading, listening, and writing skills are developed at a pace designed to challenge the advanced language student. Review of grammatical structures and exposure to new grammar is emphasized. Everyday situations and classroom discussions in the target language are incorporated to develop the student's oral proficiency. Selected readings and written reactions to these readings help improve reading and writing skills. Authentic situations and sources will be utilized whenever possible.

**Prerequisite: French I or Spanish I and recommendation of the department  
(The Curriculum Mastery Exam will be used for Grade 9.)**

For Spanish II CCP the student must be enrolled at Cincinnati State

**NOTE: World Language offerings for CCP credit at Mount Notre Dame are contingent on the MND teacher qualifying for adjunct professor status with our partner colleges. In the event of a staffing change, CCP credit may be unavailable while MND would continue to offer the course.**

HONORS FRENCH III – HON 1

HONORS SPANISH III – HON 1

Speaking, listening, reading, and writing skills are reinforced at a pace that challenges the advanced language student. Everyday situations, short stories, and selected readings are the basis for communication. The student may be introduced to music, literature, and the arts of the culture she is studying. Emphasis is placed on the history and culture of the target language. New grammatical structures and expanded vocabulary are incorporated. Authentic situations and sources will be utilized whenever possible.

**Prerequisite: Recommendation of the department**

<u>HONORS FRENCH IV – HON</u>	1
<u>HONORS SPANISH IV – HON</u>	1

This course is designed to increase the student's proficiency in the four communication skills: speaking, listening comprehension, reading comprehension, and writing, at a pace that challenges the advanced language student. While culture study continues, the focus is communication. Included in the course are selected pieces of literature, which may include poetry, short stories, plays, and novels. There is an introduction to advanced structures and a systematic review of grammar, as well as an expansion of vocabulary and idiomatic expressions. Authentic situations and sources will be utilized whenever possible.

**Prerequisite:** recommendation of the department

<u>AP FRENCH LANGUAGE AND CULTURE – AP</u>	1
<u>AP SPANISH LANGUAGE AND CULTURE – AP</u>	1

The Advanced Placement Language and Culture course is an accelerated course in which culture, interpersonal reading, listening, and writing are emphasized. There is further emphasis on interpretive reading, listening, and writing. The student will prepare for the College Board AP Language and Culture test. While this course is not designed to prepare students specifically for the AP Literature and Culture exam, reading is also included. Authentic situations and sources will be utilized whenever possible.

**Prerequisite:** Honors French III or IV or Honors Spanish III or IV and recommendation of the department

A student who has met the World Language Department requirements for an AP world language course and who answers affirmatively to the following statements should enroll in an AP world language class.

## ELECTIVE LANGUAGE COURSES

<u>PRACTICUM IN FRENCH – NHR</u>	12	.5 OR 1
<u>PRACTICUM IN LATIN – NHR</u>	12	.5 OR 1
<u>PRACTICUM IN SPANISH – NHR</u>	12	.5 OR 1

This course is an individual study designed to provide practical experience in a world language to the advanced language student through daily exposure to classroom instruction and active participation in that instruction. The student will be given “hands-on” experience in a world language by assisting the classroom teacher in the first and second-year language classes. Students may be required to journal and communicate in level-appropriate target language. Authentic situations and sources will be utilized whenever possible. Grades will be assigned on a pass/fail basis

**Prerequisite:**

- Practicum agreement to be turned in at scheduling meeting.
- A 93% in current French / Latin / Spanish class (which must be at least a level 3) and recommendation of the department.

**NOTE:** This course may be taken one semester for a full block, two semesters for a half block, or two semesters for a full block.