

Curriculum Guide



2024 - 2025

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Academic Information

Academic Mission

The mission of Notre Dame College Prep is to assist each individual with the integration of faith, scholarship, and service. As a school community, we do not discriminate on the basis of race, religion, or national or ethnic origin in the administration of programs and opportunities made available to our students. At the heart of a Notre Dame education are nine core Holy Cross values: The Cross: Our Only Hope, Educating the Mind and Heart, Leadership, Integrity, Inclusive Diversity, Option for the Poor, Family, Zeal, and Formation. A student's enrollment at Notre Dame implies acceptance of the mission, core values, and philosophy of the school. Accordingly, all students enrolled at Notre Dame, whether Catholic or non-Catholic, are expected to participate fully in the Religious Studies classes, class retreats and other informal opportunities provided for the development of one's life of faith. In so doing, Notre Dame College Prep is sensitive to and respectful of the particular faith traditions of the individual in the administration of our educational programs.

Graduation Requirements

- Must earn 24.0 credits, which include:
 - 4.0 Religion
 - 4.0 English
 - 3.0 Mathematics
 - 3.0 Lab Sciences
 - 1.0 Biology
 - 1.0 Chemistry or Physics
 - 1.0 Science elective
 - 2.0 of the same Foreign Language
 - 3.0 Social Studies:
 - 1.0 Western Civilization
 - 1.0 United States History
 - 0.5 Civics
 - 0.5 Social Studies Elective
 - 1.0 Fine and Performing Arts
 - 0.5 Technology
 - 2.0 Physical Education/Health
- Participation in the Christian Service Program with completion of the required hours for each academic year and a corresponding reflection paper.
- Must pass by end of Senior Year:
 - United States Constitution Exam
 - English Composition Proficiency Exam
- Participation in at least one retreat per academic year

Participation in Graduation

Notre Dame College Prep does not permit early graduation. In order to participate in the Graduation Exercises, a student must meet ALL requirements listed above for graduation. Students deficient in any credits or required courses will NOT be allowed to participate in the Graduation Exercises.

Grades

Grades are based on the quality of work a student does in view of course objectives. Notre Dame College Prep has adopted the following grade equivalents:

A+	98 - 100	
A	95 - 97	Superior
A-	92 - 94	
B+	89 - 91	
B	86 - 88	Above Average
B-	83 - 85	
C+	80 - 82	
C	77 - 79	Average
C-	74 - 76	
D+	71 - 73	
D	68 - 70	Unsatisfactory but passing
D-	65 - 67	
F	Below 65	Failing, no credit (Credit must be made up in summer school.)
X	Failure - violation of Academic Integrity Policy	
W	Withdrawal from course	
I	Incomplete (Required work must normally be completed in the two weeks after the grading period; otherwise, the "I" becomes an "F.")	

Class Load

1. Regardless of the number of credits previously earned, each **freshman** is required to take Religion, Physical Education, English, Math, and at least two (2) other full-year academic courses or their equivalent
2. Regardless of the number of credits previously earned, each **sophomore** is required to take Religion, Physical Education, Health, English, Math and at least two (2) other full-year academic courses or their equivalent.
3. Regardless of the number of credits previously earned, each **junior** is required to take Religion, English, Math, and at least three (3) other full-year academic courses or their equivalent.
4. Regardless of the number of credits previously earned, during his **senior** year, each student is required to take Religion, English, Civics, and additional academic courses that add up to at least three and one-half (3.5) credits. AP Government may be taken instead of Civics, in which case the student will take additional academic courses adding up to three

(3) credits.

Failure

Any failure during the school year must be made up in an accredited summer school if the student wishes to return to Notre Dame in the fall. Any student attending summer school must have his summer school registration approved by his counselor. Seniors who fail courses in the first semester will be required to make up those courses in an accredited program or add additional courses to their second semester schedules. This requirement holds if: (1) the course is a course required for graduation, OR (2) the course failed creates a credit deficiency for graduation.

Cumulative Grade Point Average (GPA)

The Grade Point Average (GPA) is a weighted average based on the grade value of each grade earned. Quality point values are assigned as follows:

Grade	College Prep		Honors		AP	
	Year	Semester	Year	Semester	Year	Semester
A+	4.33	2.165	5.33	2.665	5.83	2.915
A	4.00	2.00	5.00	2.50	5.50	2.75
A-	3.67	1.835	4.67	2.335	5.17	2.585
B+	3.33	1.665	4.33	2.165	4.83	2.415
B	3.00	1.50	4.00	2.00	4.50	2.25
B-	2.67	1.335	3.67	1.835	4.17	2.085
C+	2.33	1.165	3.33	1.665	3.83	1.915
C	2.00	1.50	3.00	1.50	3.50	1.75
C-	1.67	0.835	2.67	1.335	3.17	1.585
D+	1.33	0.665	1.33	0.665	1.33	0.665
D	1.00	0.50	1.00	0.50	1.00	0.50
D-	0.67	0.335	0.67	0.335	0.67	0.335
F	0.00	0.00	0.00	0.00	0.00	0.00

Calculation of Cumulative GPA

A student's GPA is determined by multiplying the credit earned by the quality points for that course. Semester-long courses, for example, are generally worth 0.5 credits. The 0.5 credits are then multiplied by the quality points for the letter grade that was earned. These quality points are

then totaled and divided by the credits attempted.

Grades in Driver's Education are NOT included in the GPA.

Summer School grades and credits are added to a student's academic record at the conclusion of summer school.

The GPA of a transfer student is based only on grades earned at Notre Dame College Prep.

Honor Roll

The Honor Roll is determined on the basis of the semester GPA. There are three classifications:

<i>Summa Cum Laude:</i>	GPA of 3.80 or higher
<i>Magna Cum Laude:</i>	GPA of 3.50 through 3.79
<i>Cum Laude:</i>	GPA of 3.20 through 3.49

Any grade lower than a "C-" disqualifies a student from honor roll status.

Academic Probation

A student is placed on Academic Probation when the administration judges that he is in serious academic difficulty. Please see the Student/Parent Handbook for further details.

Eligibility for Extracurricular Activities

Students involved in IHSA sponsored extracurricular activities must be academically eligible to participate.

To be eligible, a student may not be failing more than one academic course each week that an eligibility check is made. If found ineligible, he will not be permitted to take part in practice, in competition or in the activity for that week and for any subsequent weeks in which he is ineligible. The student may be assigned to the Academic Support Program study hall at the discretion of his counselor.

If a student fails more than one academic course for a semester, he is ineligible to participate in any IHSA sponsored event until such deficiency is removed; the period of time is usually, but not limited to, a semester.

Academic Integrity

Please see the *Student Handbook*.

Course Changes

Registration for courses for an upcoming academic year must be completed by June 1. **Please note that any change of classes after that date, including dropping or adding courses, initiated at the request of a student or his parents will incur a \$50.00 schedule change fee.** No fee will be charged if the change is necessary to resolve a course conflict, to balance a student's schedule, or to correct an error in placement by the school. A student who has successfully completed the appeal process for placement in a non-recommended course will not

be not allowed to change his placement.

A student who wishes to transfer to another course must do so prior to the start of the school year. Such changes are generally not made after a semester begins. A student taking a non-required seventh course may withdraw anytime during the first six (6) weeks of the semester in which he is taking the class.

No student is to stop attending a class or start attending a new class until he has been issued a new schedule or given written notification by his counselor to make a change. A student who fails a course during the first semester, if the failure necessitates a change in his second semester schedule, will need to see his counselor to make the appropriate change.

All schedule changes must be approved by the Assistant Principal for Curriculum.

Homework

Homework is assigned on a regular basis as preparation for class or reinforcement of material covered in class. If a student misses any class time for whatever reason, it is his responsibility to make up the work that was missed. It is the responsibility of the student to contact his teachers the day of his return to make arrangements for his make-up work.

In keeping with the mission of Notre Dame College Prep, we regularly monitor each of our young men's growth in scholarship, faith, and service. We believe that success will occur if a student takes full responsibility for his learning at Notre Dame. Missing homework assignments impact a student's grade. We are confident that if a student develops an attitude of responsibility about completing his homework, he can be successful at Notre Dame. We deal directly with a student who is having homework difficulties.

Reports on Academic Progress

Student progress can be monitored anytime by students and parents online through Plus Portals. The official grade report is posted to the portal at the end of each semester. At this time, credit is granted for each course in which a passing grade has been earned.

Repeating a Course

If a student is required to repeat a course because of failure, both grades for the course appear on the student's permanent record. Repeating the course does not remove the first grade result. Both grades are entered into the computation of the student's GPA.

Transcripts

Requests for transcripts of credits are made through the Notre Dame website at www.nddons.org. A fee of \$5.00 must be paid for each transcript after the first. A release form or letter of authorization must accompany the request before a transcript will be mailed. All financial obligations must be cleared before official transcripts will be mailed.

After School Jobs

A student's primary responsibility is to his role as a Notre Dame student. At no time does the

necessity to work take priority over the need to devote sufficient time and effort to his responsibility as a student. Students are required to meet all their obligations at school before proceeding to their after-school jobs.

Academic Problem Solving

Occasionally students experience academic difficulty in a particular course. If that happens, the most effective way of dealing with the problem is through direct communication with the teacher. The spirit of this procedure is threefold: to address the problem in its early stages, to open up communication, and to help a student experience success at Notre Dame. The procedure which should be followed is listed here.

1. Upon realizing that a problem exists, the student must set up an appointment to meet with his teacher to address the problem. This step is the most important. Clear and direct dialogue between the student and the teacher must be established. A student should never delay in asking for help. If the student's grade is a D+ or lower, the teacher will email the parent and copy the counselor with this information.
2. If the grade remains below a D+, the student must continue to talk with the teacher, the counselor, and his parents to discuss and record tangible steps of an action plan that will be taken to improve the grade. The student's teachers, counselor, and parents will share this action plan. It may include a recommendation to participate in the Academic Support Program study hall.
3. If the problem continues, parents should continue to be in contact with the teacher and the counselor. The counselor may convene a Student Intervention Meeting, during which the student, parents, counselor, and teachers will meet to assess the plan to determine why it is not working and to jointly refine it to continue to work toward student success. NOTE: To contact an administrator as a first or second step has little impact. The teacher, student, and counselor have all pertinent information as to the nature of the problem. It is with these parties that steps will be taken to solve the problem.

The spirit of this procedure is threefold: to solve the problem in its early stages, to open up communication, and to help a student experience success at Notre Dame.

Credit for Classes taken during Junior High School

Credit will not be issued for courses taken while a student was enrolled in the 7th or 8th grade, even if the course was designated as a high school course. However, placement consideration will be given contingent upon the student's successful performance on a placement exam developed and administered by Notre Dame College Prep and/or appropriate documentation provided by the junior high stating the content of the course and the student's level of achievement. In the case that the course was taken at a local high school, the course will be listed on the student's transcript as a non-credit course, providing the course meets Cognia standards.

A course taken at an accredited high school during the summer session prior to freshman year

will be granted credit provided that it meets Cognia standards. If the course is required for graduation, credit will be granted only if the Assistant Principal for Curriculum gives written approval.

Preparing for College

Traditionally, the recommended requirements for entrance into a four-year college include four years of English, three years of Social Studies, three years of Mathematics including Geometry, three years of a lab Science, two years of the same Foreign Language and/or Fine Arts. These subject patterns will meet the State of Illinois requirements for admission to State Colleges in Illinois.

Many highly selective colleges, or specific areas of study such as Engineering or Business, strongly prefer that a student enter college with four years of Mathematics, three years of lab Science (which must include Biology and either Chemistry or Physics) and four years of Foreign Language. It is strongly suggested that the student check with the colleges in which he is interested to verify that he meets their minimum acceptance requirements and takes the courses necessary to be competitive in admissions.

PowerSchool

Notre Dame subscribes to an online grade and information internet access site called PowerSchool. Students and parents are given passwords to allow them to view their grades as updated by their teachers. Students and parents are asked for their patience as teachers provide updates and reminders for their classes.

Retreat and Service Requirements

The focus of the Campus Ministry Department is the spiritual development of all members of the Notre Dame community, to help us deepen our relationships with God and with others and to grow more aware of the persons we are called to be. The Notre Dame pillars of faith, scholarship, and service and the core values of the Congregation of Holy Cross are the foundation of the work of Campus Ministry. In keeping with the spirit that animates these values, we offer opportunities for prayer, reflection, and service so that each person who is part of the Notre Dame family can grow in mind and heart. These opportunities include monthly liturgical celebrations, either the Eucharist or Reconciliation.

An annual retreat is required of every student each year he attends Notre Dame College Prep to help him in his spiritual growth. This is an opportunity for the student to step away from his daily routine and discern where he is at that point in his life. The retreats in a student's first three years are day-long experiences with his classmates. The culmination of the retreat program is the opportunity for a three-and-a-half day *Kairos* retreat, an intense experience of Christian community.

Our current Service Hour requirement is 15 hours per year. However, this is up for discussion for the 22-23 school year, pending the global pandemic situation. A student will not be permitted to advance to the next grade level if this yearly requirement is not satisfied.

Further information about the Christian Service Experience is available in the *Parent/Student Handbook* for Notre Dame College Prep.

English Department

The English Department recognizes that the core of communication is the exchange of ideas. Based on the heterogeneous composition of the student body, our curriculum is adaptable to the changing needs of the students served and individual learning styles. We believe that every student has the ability to construct, analyze and evaluate language and literature. We also believe that effective communication is of significant importance for the exchange of ideas.

111 Reading and Writing Workshop I

Grade: 9 Credit: 1.00 Full Year

Current reading/writing strategies are modeled and effective study strategies are taught. Students will read a wide variety of adolescent literature exposing them to various genres. In addition, each student will create a response journal and keep a portfolio of selected writings. They will also be introduced to current technology. This course is not a regular level college prep course but rather a supplemental course to regular composition Literature I.

Enrollment in this course is limited to students who have been recommended by the Assistant Principal for Curriculum and Director of the St. Andre Program.

112 Andre Composition and Literature

113 Composition and Literature I

Grade: 9 Credit: 1.00 Full Year

This course introduces the major literary genres, including a full-length novel and a Shakespearean drama. In addition, students will work on improving their composition skills through the study of grammar with emphasis on the parts of speech, the parts of the sentence and phrases. The students will also enhance their writing through the study of vocabulary. Library, internet and multimedia research skills are also introduced in this course.

118 Honors Composition and Literature I

Grade: 9 Credit: 1.00 Full Year

Receives honors quality points

This accelerated course is for students of high ability. Students are selected for this course on the basis of a special writing and grammar proficiency exam, their placement test scores, and the recommendations of their elementary school teachers.

121 Reading and Writing Workshop II

Grade: 10 Credit: 1.00 Full Year

Sophomores placed in the St. Andre Scholar Program may be required to take this course. The course provides instruction in non-fiction reading strategies. It is designed to aid students by helping them to integrate reading strategies into the regular course requirements. Also, it provides exercises to increase student's reading fluency, comprehension, and vocabulary skills. Composition instruction focuses on developing research-based writing traits: ideas, organization, sentence fluency, word choice and mechanics. Vocabulary development is emphasized in speech

and writing.

Enrollment in this course is limited to students who have been recommended by the Assistant Principal for Curriculum and Director of the St. Andre Program.

122 Andre World Literature/Composition II and Speech

123 World Literature/Composition II and Speech

Grade: 10 Credit: 1.00 Full Year

This course examines major literary themes and cultural values created by significant ethnic writers. In the composition component, students practice the various stages of the writing process and respond to literature while developing critical and creative writing skills. In the speech component, students present informative speeches and refine their listening and evaluation skills. The development of vocabulary and grammar is continued.

128 Honors World Literature/Composition II and Speech

Grade: 10 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: A minimum grade of B+ in *118 Honors Composition and Literature I* and/or departmental approval.

This accelerated course examines representative works from a global perspective. Students also analyze selected novels representative of themes created by significant ethnic writers. Emphasis is placed on speech as a process of composition and students present both informative and persuasive speeches. Library research techniques are integrated throughout the course. The development of vocabulary and grammar is continued.

133 American Literature and Composition III

Grade: 11 Credit: 1.00 Full Year

Students will explore the development of American literature in a historical, sociological and thematic context. Further development of college-level essay writing is taught. The persuasive essay is stressed. Throughout this course the teaching of writing is modeled through enduring literature. The development of vocabulary and grammar is continued.

The students are assisted in skill-building to prepare for the ACT.

138 Honors American Literature and Composition III

Grade: 11 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: A minimum grade of B+ plus outstanding class participation in *128 Honors World Literature and Composition II* and/or departmental approval.

This course, a survey of American literature, is designed for the accelerated student who has previously demonstrated effective writing skills and exceptional critical thinking to work both independently and collegially. Additional components of this course are grammar review and advanced vocabulary study in preparation for the PSAT and ACT. Instruction in the art of

persuasive essay will be given. The development of vocabulary and grammar is continued.

178 Advanced Placement English Language and Composition

Grade: 11 Credit: 1.00 Full Year

Receives Advanced Placement quality points

Prerequisites: A minimum grade of B+ and outstanding class participation in *128 Honors World Literature and Composition II* and/or departmental approval.

This course focuses on reading, writing, and rhetoric. Students will be introduced to a variety of authors in different historical contexts and will respond to what they read in different writing styles. Students will read various genres, including speeches, essays, and letters. They will also explore and interpret visual texts. Ultimately, students will learn to identify context, audience, and how speakers and writers use various rhetorical strategies to achieve their purposes.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

143 British Literature and Composition IV

Grade: 12 Credit: 1 .00 Full Year

Students will explore the development of British literature in a historical, sociological and thematic context. In addition, students will learn the process of doing Modern Language Association (MLA) based research, resulting in a term paper. Throughout this course, the teaching of writing is modeled through enduring literature.

145 British Literature and Composition IV

Grade: 12 Credit:0.50 One Semester

Students will explore the development of British literature through a survey of historical, sociological and thematic context. Texts from the year-long British Literature course will be selected for both critical and analytical review and discussion. In addition, students will learn the process of doing Modern Language Association (MLA) based research, resulting in a term paper. Throughout the semester, the teaching of writing is modeled through enduring literature.

148 Honors British Literature and Composition IV

Grade: 12 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: A minimum grade of B+ in *138 Honors American Literature and Composition III* and/or departmental approval.

This writing-intensive course stresses the study of British literature from the Anglo-Saxon period to the present with emphasis on the major themes and authors, as well as the interaction between British literature and other literatures. In addition, this course examines the elements of tragedy, and includes a survey of literary criticism.

179 Advanced Placement English Literature and Composition

Grade: 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points

Prerequisites: A minimum grade of "B+" in *138 Honors American Literature and Composition III*, or successful completion of *178 AP English Language*, and/or departmental approval.

Students enrolled in this highly-accelerated course will examine major works and themes in British, American and Classical literatures in order to master the analytical and critical-thinking skills requisite to taking the Advanced Placement Test in English Literature and/or Language.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

130 Publications

Grades: 10, 11, 12 Credit: 0.50 Full Year

NOTE: This course does not fulfill the English graduation requirement.

The Publications Class is a year-long course designed to create the annual *Maridon* yearbook, the weekly *Focus* newspaper, and the monthly *Vision* literary magazine. This exciting class will give each student the chance to contribute his creative abilities, to gain and refine skills specifically in time management and collaboration, and to share with the Notre Dame Community. The Publications Class is a workshop-style course in which students will work both individually and in collaborative teams to reach deadlines in a timely manner. Students will work on various writing, editing and design tasks, utilizing publishing programs and web-based tools. Assessment is based on the completion of assignments and a final portfolio, rather than on worksheets, tests and exams. Successful completion of this course will grant 0.5 credit hours toward graduation.

134 Creative Writing

Grades: 11, 12 Credit: 0.50 One Semester

This elective is a writing-intensive, workshop-based course designed to challenge the imagination and provide opportunities to analyze and effectively critique the student's own writing as well as that of others. Writing samples will include the short story with dialogue, the essay, poetry, and media scripts. This course will explore the major works of classical and modern writers in depth. A special emphasis will be placed on cultural, regional and stylistic diversity.

135 The Rhetoric of Cinema

Grades: 11, 12 Credit: 0.50 One Semester

This course is based on the guiding principle that film is literature. In addition to the study of the literary elements of cinema such as plot, theme, tone, point of view, style, symbolism, characterization, and setting, everything from common terminology and techniques utilized within the film industry to a variety of genres and styles produced to a multitude of directors and production companies will be discussed and analyzed throughout the course. Students should walk away with a variety of perspectives for how to view a film and ultimately how to

appreciate a film on a multitude of levels.

136 Speech

Grades: 9, 10, 11, 12 Credit: 0.50 One Semester

NOTE: This course does not fulfill the English graduation requirement but DOES fulfill the Fine and Performing Arts graduation requirement.

This elective course is designed to refine the student's ability to think critically, to effectively challenge an opposing view, and to clearly vocalize thoughts. Preparation, execution and analysis of speeches and the successful fielding of questions are stressed. Use of the mass media in effective communication is also explored.

137 Journalism

Grades: 10, 11, 12 Credit 0.50 One Semester

NOTE: This course will not be offered in the 2024-25 school year.

This course focuses on the history of journalism and all forms of reporting including hard news, features, speeches and events, editorial writing, interviewing skills and arts review. In addition, students will develop their editing and proofreading skills, become familiar with ethical and legal issues, while applying what they have learned to the real world via submissions to FOCUS, Notre Dame's student newspaper, as well as other publications inside and outside of the Notre Dame community.

140 Exploring the Graphic Novel

Grades: 11, 12 Credit 0.50 One Semester

NOTE: This course will not be offered in the 2024-25 school year.

In today's society, students are presented with diverse "texts" -- including visual graphics. This elective course will challenge students to interpret, analyze, and synthesize literature (non-fiction and fiction) through the medium of visual graphics. Students will examine diverse graphic works and continue to have a positive attitude towards reading through a unique lens. While students research the history and growth of graphic novels, they will also observe how the genre traces the development of themes including gender, race, sexuality, justice, existentialism, and heroism.

Fine and Performing Arts Department

The NDCP Fine and Performing Arts Department provides every student with the opportunity to be creative, explore new techniques, develop unique problem solving strategies, and enhance their critical thinking skills. As a society, we are surrounded by the creations of people in all aspects of life. Notre Dame College Prep believes in educating young men as creators in the world through the fine and performing arts, with the goal of developing well-rounded individuals.

1.0 credit from the Fine and Performing Arts course offerings is required for graduation from Notre Dame College Prep.

624 Fine Arts Appreciation

Grades: 10, 11, 12 Credit: 0.50 One Semester

NOTE: This course is offered only during summer school.

This survey course is intended to enhance a student's appreciation and understanding of music, art, and drama in the diverse world around us. Students will be exposed to the lives of some of the great artists, playwrights, composers, and musicians of the past and present as well as their influential works focusing on assessing the messages within the art itself. Contributions of various cultures to the arts will also be examined. Students will be asked to experience and harness the power of creativity and self-expression through fine arts performance, critiquing others' work, and exploring career opportunities available in the arts.

Music

609 Introduction to Music

Grades: 9, 10, 11,12 Credit: 0.5 One Semester

This course is designed to introduce students to the history of a variety of musical genres including classical, jazz, musical theater, and film music. Students will learn the basics of Western and Non-Western music writing and performance. Students will acquire a basic understanding and appreciation of music.

610 Guitar

Grades: 10, 11, 12 Credit: 0.50 One semester

Note: Students must have their own guitars for this course.

This course is designed for students with some background in music who are interested in developing skills on the guitar. Students will learn how to read music as well as to appreciate various contemporary music genres. Activities may include a research project, composition, and a playing/performing requirement. This course will be highly student-centered and students must be able to monitor their time management and practice skills. Students must have their own full-size acoustic guitars for this class - electric guitars are not allowed.

613 Symphonic Band

Grades: 9, 10, 11, 12 Credits: 1.00 Full Year

Prerequisites: Previous experience on a woodwind, brass, or percussion instrument and approval of the Band Director.

The Symphonic Band is a performing ensemble for students with previous experience on a woodwind, brass or percussion instrument. The band includes students from Notre Dame College Prep and Resurrection High School. Students in the band program acquire an understanding and appreciation of music and develop critical listening skills through the study and performance of various types and styles of band literature. Performances include participating in the Marching Band at Notre Dame home football games and parades, Pep Band for home basketball games, and Symphonic Band for concerts, festivals, and competitions. Most performances are scheduled in the evenings and on weekends and are held on both campuses, depending on the nature of the performance. Every other year the band travels around the country to various destinations to

perform. Previous trips include Disney World, Nashville, and New York City. As a co-curricular ensemble, performances and rehearsals outside of regular school hours are a requirement.

618 Honors Symphonic Band

Grades: 10, 11, 12 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: Membership in the Band for at least one year, an Honors Band audition with the Band instructor and the recommendation of the Band Director.

Honors Symphonic Band is designed for students whose experience and talent are at an advanced level. These students will be held to a higher standard of practice, performance, leadership and musical involvement. Students enrolled in this course will be required to complete the Illinois Music Education Association (ILMEA) audition. As a co-curricular ensemble, performances and rehearsals outside of regular school hours are a requirement.

623 Jazz Band

Grades: 9, 10, 11, 12 Credit: 0.50 Full Year

Prerequisites: Recommendation and/or audition by the Band Director.

Co-requisite: Enrollment in 613/618 Symphonic Band

Jazz Band students will study and perform the basic fundamentals of jazz, including interpretation, improvisation, reading, theory, and other techniques common to jazz performance. The Jazz Band is performance-oriented and is involved in concert performances and community events. Every year we perform at several jazz festivals in the Chicagoland area and frequently perform with the University of Notre Dame Jazz Band and the Reunion Jazz Orchestra. As a co-curricular ensemble, performances and rehearsals outside of regular school hours are a requirement.

619 Music Technology I

Grades: 9, 10, 11, 12 Credit: 0.50 One Semester

The course will focus on recording, editing, and producing audio using the iPad.

Students will learn the processes of creating a soundtrack, music album, and/or podcast using several different software programs. Students will also learn what makes a quality soundtrack, album, and podcast through observation and analysis of several examples. Fundamental music theory will also be covered and incorporated into each project. Software programs to be used include GarageBand, Soundtrap, iMovie, YouTube, and more.

639 Music Technology II

Grades 9, 10, 11, 12 Credit: 0.50 One Semester

Prerequisites: Students must have taken, and completed successfully, Music Tech I and be recommended by the instructor.

***NOTE: Music Technology II WILL NOT be offered in the 2024-25 school year. This course is offered every other year in rotation with AP Music Theory.*

Music Tech II is a class designed for students who wish to continue exploring the world that is music technology. Students will continue working with music software programs including GarageBand and iMovie as well as have opportunities to compose original music, use MIDI instruments, and more. Students will learn what makes music tracks sound the way they do, how to record quality podcasts, dive deeper into music videos and other methods in recording sound and music.

***620 Chamber Ensemble I (Fall semester)**

Grades: 9, 10, 11, 12 Credits: 0.5 One Semester

This course may be repeated for additional credits.

Prerequisites: Previous experience on a woodwind, brass, or percussion instrument and approval of the Band Director.

Exceptions to this prerequisite: students who proficiently play string instruments that are not instruments in the Symphonic Band, such as piano, violin, and guitar. These students are required to have approval by the instructor and audition for the ensemble.

This course is intended for students enrolled in Symphonic Band, Honors Symphonic Band, and/or Jazz Band who wish to perform in small group ensembles. Depending on the instrument make-up based on registration, students will form groups such as duets, trios, quartets, quintets, woodwind/brass choirs, and percussion ensembles. Students will further their musical growth through additional performance opportunities and student-guided music selection and rehearsals. Students will perform at the Band Concert in place of a final exam.

Chamber Ensemble II (Spring Semester)

Grades: 9, 10, 11, 12 Credits: 0.5 One Semester

Prerequisites: Completion of Chamber Ensemble I

This course is designed to serve as a continuation of Chamber Ensemble I. Students should be proficient in reading standard music notation as it applies to percussion instruments. The primary focus of this class is to continue developing technical skills gained in Chamber Ensemble I while broadening performance abilities in all aspects of percussion through band music and percussion specific music alike. Students enrolled in this class will perform at each Band concert.

659 AP Music Theory

Grades: 10, 11, 12 Credits: 1.0 Full Year

Prerequisites: Students must have the ability to read and write musical notation and basic voice or instrument performance skills. Students must be enrolled in Symphonic Band, Jazz Band, or Honors Symphonic Band, or possess a musical background with instructor approval.

****NOTE:** *AP Music Theory will be offered in the 2024-25 school year, but WILL NOT be offered in the 2025-26 school year. This course is offered every other year in rotation with Music Technology II.*

AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized

650 Fine Arts Independent Study - Music

Grades: 11, 12 Credits: 0.5 Full Year

Prerequisites: This course can **only** be taken with prior approval from the instructor and demonstrated musical proficiency.

The Fine Arts Independent Study in Music offers motivated students the opportunity to tailor their musical education to their specific interests and goals. Under the guidance of the Band Director, students will explore advanced concepts and techniques in their chosen areas of focus. This course encourages self-directed learning, fostering independence and creativity in musical expression. Throughout the course, students will engage in a variety of activities, including in-depth research, individualized practice, composition or arrangement projects, and performance opportunities. They will have the flexibility to delve into areas such as music theory, composition, instrument proficiency, or music history, allowing for a well-rounded and customized learning experience. Regular one-on-one sessions with the instructor will provide personalized feedback, guidance, and support, ensuring that each student's unique musical aspirations are realized. Additionally, periodic progress reports and reflective assessments will be used to track and evaluate individual growth and accomplishments.

Art

616 Introduction to Art

Grades: 9, 10, 11, 12 Credit: 0.50 One Semester

Introduction to Art is a course designed for the beginning high school art student. It presents the fundamentals of fine art: line, value, color, theory and the principles and elements of design with related studio assignments. This is a studio class focusing on two-dimensional projects with a

concentration in drawing and the use of various media.

626 Art I

Grades: 10, 11, 12 Credit: 1.00 Full Year

Prerequisites: Completion of *616 Introduction to Art* or portfolio review with instructor.

This course is designed for students with some background in art. The concentration in this course is problem-solving and the broadening of formal, technical and expressive techniques of the artist. Work is done in a variety of 2-dimensional (including an introduction to computer graphics) and 3-dimensional media. Art History is incorporated as a reference point for projects. Showing work and keeping a portfolio are required.

643 Introduction to Digital Photography and Photoshop

Grades: 10, 11, 12 Credit: 0.50 One Semester

Note: students must have their own digital cameras.

This course will introduce students to using digital cameras and the lighting of subjects. It will also introduce the basics of Photoshop. The students will have a variety of assignments, both in and out of class. They will improve their analytical abilities through self-critique and critiquing the work of others. Entering art competitions and keeping a portfolio are also course requirements.

644 Digital Photography and Photoshop II

Grades: 11, 12 Credit: 0.50 One Semester

Prerequisites: Completion of *643 Introduction to Digital Photography and Photoshop*, students must have their own digital camera. This course is a continuation of the introductory course.

636 2-Dimensional Studio Art

Grades: 10, 11, 12 Credit: 1.00 Full Year

Prerequisites: Completion of *626 Art I* and a portfolio review with instructor.

This course is designed for the exceptional art student. The class uses problem-solving as a major component and seeks to enable students to do college level/professional work. This is a studio course that allows students to work on individual, professional freelance and assigned projects. Work will be done in a variety of media including acrylics, oils, pastels, pen and ink, photography, computer graphics and video. Entering art competitions and keeping a portfolio are required.

679 AP Drawing *or*

689 AP 2-D Art and Design *or*

699 AP 3-D Art and Design

Grades: 11, 12 Credit: 1.00 Full Year

Prerequisites: Completion of *626 Art I* and/or *643 Introduction to Digital Photography and Photoshop* and a portfolio review with instructor.

AP Studio Art has been developed to accommodate serious art students who have expressed an interest in completing the AP Drawing Portfolio, the AP 2-D Design Portfolio or the AP 3-D Portfolio. AP students must be able to work independently, have a basic knowledge of media, and be able to take initiative and risks in their art. Through studio practice, application of design concepts and informed decision making, these students will assemble a body of artwork that demonstrates a high level of quality and growth over time of content, technique, and process. Students will investigate and create three parts for their portfolios as required by the AP College Board: Quality, Concentration, and Breadth. All work will be documented throughout the year by digital photos and submitted to the College Board for review.

Theatre

627 Drama I: Introduction to Theatre/Dramatic Arts

Grades: 9, 10, 11, 12 Credit: 0.50 One Semester

The goal of this course is for students to unlock their creativity by exploring performance in all forms. Student work will focus on the creation of original pieces in a variety of styles including storytelling, monologue, improvisation, sketch, performance art, and movement. Students will improve their analytical abilities through performance criticism. Daily participation in creative exercises and activities is required.

628 Camera Acting Techniques

Grades: 10, 11, 12 Credit: 0.50 One Semester

Prerequisites: *627 Drama I, 138 Speech* and approval from the instructor.

Exceptions to this prerequisite: students who have worked with the Jugglers or had outside acting training are required to audition and have approval by the instructor.

In this course, students will learn advanced acting techniques for the camera that are different from acting on the stage or for live audiences. The students will also watch film clips to learn about actors, camera angles, and lighting, how music adds mood, and learn how these things enhance their acting. Study of various movie genres, directing, camera work, sound and editing will be part of the course. Performing in student films is required.

605 Technical Theater

Grades: 9, 10, 11, 12 Credit: 0.50 One Semester

In this course we will be working in a creative manner to understand how technical theatre is created and brought to the stage. This course will be excellent for those who have had no training in the arts. This course will require the use of tools (both powered and hand tools) and understanding of safety measures that must be utilized to ensure the safety of all participants. We will discuss/demonstrate the process of building a set or also known as stagecraft. We will also discuss and practice other aspects of design including but not limited to Set, Sound, Costume, Special Effects, and Lighting Design. This course will require technology both in and out of the classroom. You will also be required to serve a minimum of 12 hours assisting our school's play production in some aspect of the build/rehearsal process and perhaps during the actual

performances.

634 Drama II: Analysis and Performance

Grades: 9, 10, 11, 12 Credit: 0.50 One Semester

Prerequisite: Completion of *627 Drama I: Introduction to Theater/Dramatic Arts* or departmental approval.

This course is designed for the students most passionate about the study of drama to intensively examine performance in all its forms. Student work will focus on the creation of original pieces in a variety of styles including storytelling, monologue, improvisation, scenework, sketch, performance poetry, literary adaptation, performance art, and movement. Students will also be responsible for writing a full-length play, completing a performance ethnography, and participating in a local drama competition. Students will improve their analytical abilities through performance criticism.

603 Argumentation and Debate of Current Events (Debate I)

Grades: 10, 11, 12 Credit: 0.50 One Semester

This course is designed to teach students the fundamentals of debate using current events as the focus of class discussion. Students will learn about the processes of communication, argumentation, persuasion, and debate. They will be expected to apply what they have learned to current issues in the fields of politics, law, ethics, and other areas as appropriate.

136 Speech

Grades: 9, 10, 11, 12 Credit: 0.50 One Semester

NOTE: This course does not fulfill the English graduation requirement but DOES fulfill one semester of the Fine and Performing Arts graduation requirement.

This elective course is designed to refine the student's ability to think critically, to effectively challenge an opposing view, and to clearly vocalize thoughts. Preparation, execution and analysis of speeches and the successful fielding of questions are stressed. Use of the mass media in effective communication is also explored.

Language Department

Studying a world language in a challenging college preparatory environment helps to encourage and promote cultural awareness of one's native language, as well as the exploration of a new language. The Language Department offers a four-year comprehensive study of Spanish and Italian. Two years of the same language are required for the majority of students. This satisfies college entrance expectations. Advanced Placement courses are offered in both languages, as well as honors level courses in the first through fourth years. Four years of study in the same language is highly recommended.

The study of a second language develops skills in listening, speaking, reading, and writing. It also expands knowledge and understanding of the similarities and differences among

cultures, while developing self-concepts and learning skills that transfer readily to life situations.

The first year introductory language course establishes a strong base of fundamentals. The second, third, and fourth year courses expand and build on the grammar, vocabulary, reading, writing, speaking, listening, and comprehension skills acquired from each year. Honors and AP level courses offer an advanced, accelerated course curriculum.

413 Italian I

Grades: 9, 10, 11 Credit: 1.00 Full Year

This course introduces the language's grammatical structures and vocabulary and builds as the year progresses. Practice in reading, speaking, listening, and writing will be covered.

423 Italian II

Grades: 10, 11, 12 Credit: 1.00 Full Year

Prerequisite: Successful completion of *413 Italian I*.

This course consists of a continuation of grammar and sentence structure of the language with emphasis on reading, speaking, and writing, thereby reinforcing grammar, vocabulary and pronunciation previously learned.

427 Honors Italian II

Grades: 10, 11, 12 Credit: 1.00 Full Year

This course receive honors quality points.

Prerequisites: A minimum grade of B+ in *413 Italian I* and departmental approval with regards to work ethic, behavior and comprehensibility in the language.

This course covers the same material as Italian II, but at a slightly faster pace and with a stronger focus on the target language. Students in *Honors Italian II* will begin preparation for the possibility of *AP Italian* in their senior year.

433 Italian III

Grades: 11, 12 Credit: 1.00 Full Year

Prerequisites: A minimum grade of C in *423 Italian II* and/or departmental approval with regards to work ethic, behavior and comprehensibility in the language.

This course begins with a review and strengthening of grammar skills learned in Italian II, with the addition of new vocabulary. Students will continue to build reading, speaking, listening and writing skills by incorporating topics such as history, geography, culture, and personal experience.

437 Honors Italian III

Grades: 11, 12 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: A minimum grade of B+ in *423 Italian II*, or a minimum grade of C+ in *427 Honors Italian II*, and/or departmental approval with regards to work ethic, behavior and comprehensibility in the language.

This course consists of an intense study of the oral and written language. Extensive speaking, reading and writing in the target language is emphasized and reinforced through oral presentations, readings and written compositions. The course will also extensively study the Italian culture through selective readings.

447 Honors Italian IV

Grade: 12 Credit: 1.00 Full Year

Receives honors quality points.

Prerequisites: A minimum grade of B in *437 Honors Italian III* and/or departmental approval with regards to work ethic, behavior and comprehensibility in the language.

This course continues and expands upon the grammar and writing skills taught in the third year of the language. Reading and composition progress to a more difficult level as does grammar. Review and constant reinforcement aid the student in mastering the language skills on the intermediate level.

477 AP Italian

Grade: 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

Prerequisites: A minimum grade of A in *433 Italian III*, B in *439 Honors Italian III*, and/or departmental approval.

AP Italian is taught primarily in the Italian language. It further emphasizes reading, writing, speaking, and listening skills. Additionally, authentic materials such as audio clips, films, short stories, newspaper articles, etc. are primarily used to give students a more natively centered grasp of the language. As with all AP courses, students will be required to take the AP exam for which there is an additional fee set by the College Board.

415 Spanish I

Grades: 9, 10, 11 Credit: 1.00 Full Year

This course introduces the language's grammatical structures and vocabulary and builds as the year progresses. Practice in reading, speaking, listening, and writing will be covered.

419 Honors Spanish I

Grades: 9, 10, 11 Credit: 1.00 Full Year

This course provides an accelerated review of basic vocabulary and grammar. The course then progresses into more advanced vocabulary as well as more advanced grammatical structures as the

year continues. Practice in reading, writing, speaking and listening will be covered.

425 Spanish II

Grades: 10, 11, 12 Credit: 1.00 Full Year

Prerequisite: Successful completion of *415 Spanish I* or *419 Honors Spanish I*.

This course consists of a continuation of grammar and sentence structure of Spanish with emphasis on reading, speaking, and writing, thereby reinforcing grammar, vocabulary and pronunciation previously learned.

429 Honors Spanish II

Grades: 10, 11, 12 Credit: 1.00 Full Year

These courses receive honors quality points.

Prerequisites: A minimum grade of B+ in *415 Spanish I* or *417 Honors Spanish I* and departmental approval with regards to work ethic, behavior and comprehensibility in the language.

This course covers the same material as Spanish II, but at a slightly faster pace and with a stronger focus on the target language. Students in Honors Spanish II will begin preparation for the possibility of AP Spanish in their senior year.

435 Spanish III

Grades: 11, 12 Credit: 1.00 Full Year

Prerequisites: A minimum grade of C in *425 Spanish II* and/or departmental approval with regards to work ethic, behavior and comprehensibility in the language.

This course is taught primarily in the Spanish language. It begins with a review and strengthening of grammar skills learned in Spanish II, with the addition of new vocabulary. Students will continue to build reading, speaking, listening and writing skills by incorporating topics such as history, geography, culture, and personal experience.

439 Honors Spanish III

Grades: 11, 12 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: A minimum grade of B+ in *425 Spanish II*, or a minimum grade of C+ in *429 Honors Spanish II*, and/or departmental approval with regards to work ethic, behavior and comprehensibility in the language.

This course is taught primarily in the Spanish language. The course consists of an intensive study of the culture, history and literature of Spain. Mastery of the active and passive vocabulary items and structures will equip the student to effectively communicate in Spanish and also attain knowledge of a foreign culture. These are achieved through lectures and readings as well as oral and written reinforcement in Spanish.

445 Spanish IV

Grade: 12 Credit: 1.00 Full Year

Prerequisites: A minimum grade of C in *435 Spanish III* and/or departmental approval.

This course is taught primarily in the Spanish language. The course continues and expands upon the grammar and writing skills taught in the third year of the language. Reading and composition progress to a more difficult level as does grammar. Review and constant reinforcement aid the student in mastering the language skills on the intermediate level.

479 AP Spanish

Grade: 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

Prerequisites: A minimum grade of A in *435 Spanish III*, B in *439 Honors Spanish III*, and/or departmental approval with regards to work ethic, behavior and comprehensibility in the language.

AP Spanish is fully taught in the Spanish language. It further emphasizes reading, writing, speaking, and listening skills. Additionally, authentic materials such as audio clips, films, short stories, newspaper articles, etc. are primarily used to give students a more natively centered grasp of the language. As with all AP courses, students will be required to take the AP exam for which there is an additional fee set by the College Board.

455 Independent Study in Language

Grade: 12 Credit: 1.00 Full Year

Receives honors quality points.

Prerequisite: Successful completion of *479 AP Spanish* or *477 AP Italian* and departmental approval with regards to work ethic, behavior and comprehensibility in the language.

This course mimics a college-level research-based independent study course. The student will have the experience to assist the teacher with TA-type responsibilities, along with researching, completing, and presenting an academic paper of their choosing. The independent study course also allows students who have completed AP Spanish/Italian earlier than senior year to continue their high school Spanish/Italian career and take 4 years of Spanish/Italian classes instead of 3. This course will give the students the opportunity to set themselves apart from their peers, as it is not a typical high school course offering and prepares them for college level work.

Mathematics Department

The Mathematics Department of Notre Dame College Prep realizes that formal education is meant to give students the tools to teach themselves forever. Mathematics is at the heart of this education. Mathematics courses not only reinforce student's mathematical concepts and computation skills, but also support the use of technology to assist students in functioning in the twenty-first century. The core of mathematics however, is teaching students to develop thinking processes. Key to education in mathematics is teaching students to think critically: to analyze,

synthesize, evaluate, formulate logical arguments, and even reformulate thinking to explain, understand, and question another's viewpoint. Essential to the discipline of mathematics is the metacognitive ability to explain the process used in yielding the solution, not only the ability to problem solve.

Calculators are required for all math courses. Students in any level Algebra 1 or Geometry may use a graphing calculator or a regular scientific calculator. Students in Basic level Algebra II are highly encouraged to have a graphing calculator but it is not required. Students in College Prep Algebra II or higher MUST have a graphing calculator. While the school cannot dictate which model of calculator a family purchases, Texas Instruments or Numworks calculators are recommended. The recommended scientific calculator is the TI30XS and the recommended graphing calculator is the TI 83+ or TI 84+ (any version) or the Numworks (only one version). It is each student's responsibility to know how to use his personal calculator.

510 Pre-Algebra

Grade: 9 Credit: 1.00 Full Year

Prerequisite: Placements are determined by the Notre Dame College Prep Entrance Exam and/or by department.

This course is designed for the incoming freshmen who need to strengthen basic math skills before beginning the study of algebra. Placement is based on a student's performance on the placement exam and standardized tests, as well as elementary school grades. This course reinforces mathematical skills with additional advanced computation, including an introduction to algebraic concepts. Students study fractions, decimals, percents, positive and negative integers, and rational numbers. They become more proficient in using ratios, proportions, and solving equations. Students will develop and expand problem solving skills in order to solve word problems. This course prepares students for success in Algebra I as a sophomore. It does not count toward the three-year math graduation requirement.

512 Basic Algebra I

Grade: 9 Credit: 1.00 Full Year

Prerequisite: Placements are determined by the Notre Dame College Prep Entrance Exam and/or by department.

This course is designed for the incoming freshman with weaker math skills as determined from the placement exam, standardized tests, and elementary school grades. This course stresses the fundamentals of algebra and applies the principles of the real number system to operations with variables and constants. Topics covered include the use of the properties of real numbers; the solutions of linear equations and inequalities; the proper set-up and solution of word problems; the use of ratio and proportion; graphing and writing linear equations; solving a system of linear equations; using the properties of exponents; addition, subtraction, multiplication, and division of polynomials; factoring polynomials; the solution of quadratic equations; and simplifying square root radicals and square root radical expressions.

513 Algebra I

Grade: 9 Credit: 1.00 Full Year

Prerequisite: Placements are determined by the Notre Dame CP Entrance Exam and/or by the Notre Dame Mathematics Placement Exam.

This course applies the principles of the real number system to operations with variables as well as constants. Topics covered include addition, subtraction, multiplication and division of polynomials and rational expressions; the solution of linear and quadratic equations and inequalities; the use of ratio and proportion; the solution of systems of linear equations; the graphing of systems of linear equations and of linear inequalities; operations with radical expressions; the proper set-up and solution of word problems. The student is assessed not only on their ability to determine the solution, but on his knowledge of the appropriate processes necessary to find a solution.

517 Honors Algebra I

Grade: 9 Credit: 1.00 Full Year

Receives honors quality points

Prerequisite: Placements are determined by the Notre Dame CP Entrance Exam and by the Notre Dame Mathematics Placement Exam.

This rigorous and fast-paced course is designed for students who have strong elementary algebra skills and solid work habits. Topics include addition, subtraction, multiplication, and division of polynomials, rational expressions, and radicals. Algebraic symbolism, properties of real numbers and equality, algebraic proofs, simplifying expressions, solutions to linear equations, quadratic equations, linear inequalities, absolute value equations and absolute value inequalities, and systems of linear equations and linear inequalities are also included. This course emphasizes the algebraic processes applied to word problems.

528 Honors Algebra II

Grades: 9, 10, 11 Credit: 1.00 Full Year

Receives honors quality points

Freshman: Placements are determined by the Notre Dame College Prep Entrance Exam and by the Notre Dame College Prep Mathematics Placement Exam.

Sophomore: Placements are determined by their Mathematics grade in either College Prep Algebra 1 (A+, 97% or higher), Honors Algebra 1 (B-, 83% or higher) and/or teacher recommendation.

Juniors: Placements are determined by their Mathematics grade in College Prep Geometry (A+, 97% or higher) and/or teacher recommendation.

This accelerated course is designed for students who have an excellent knowledge of algebra. The course briefly reviews concepts presented in Algebra I and then rigorously expands and applies them to other areas of mathematics. In addition, selected topics from precalculus are studied. The ideas presented in this course involve advanced techniques of graphing and solving equations and inequalities. This course requires the use of a graphing calculator.

521 Basic Geometry

Grade: 10 Credit: 1.00 Full Year

Prerequisite: Successful completion of Basic Algebra 1 and/or teacher recommendation.

The emphasis of this course is on logical reasoning. The student will study the basic properties and relationships of points, lines, planes, angles, triangles, circles, and polygons with numerical problems that integrate algebra and geometry. While there is not an emphasis on proof, the student must be able to apply geometric principles.

524 Geometry

Grade: 10 Credit: 1.00 Full Year

Prerequisite: Successful completion of College Prep Algebra, Basic Algebra 1 (A+, 97% or higher) and/or teacher recommendation.

In this course, the student learns to organize his thinking so that he will reason logically and express his ideas clearly and precisely. The student accomplishes this by using the concepts of traditional Euclidean geometry to arrive at logical conclusions based on proof. Emphasis is placed on the basic properties and relationships of points, lines, planes, angles, triangles, circles and polygons with numerical problems that integrate algebra and geometry.

529 Honors Geometry and Trigonometry

Grade: 10 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: Successful completion of Honors Algebra 2 with a grade of B- or better (83% or higher), College Prep Algebra 2 with a grade of A+, 97% or higher and/or teacher recommendation.

Students in this class will gain the equivalent of a full year of geometry and a full semester of trigonometry, since this is an accelerated course for gifted mathematics students. Topics taught enable students to develop logical thinking through the understanding and practice of two column proofs. This course is a development of the concepts of Euclidean geometry of two and three dimensions. Emphasis is placed on the basic properties and relationships of points, lines, planes, angles, triangles, circles and polygons with numerical problems that integrate algebra and geometry. In addition, the student applies algebra and geometry skills to circular and periodic functions and rotational velocity. Students are introduced to the six trigonometric functions and their graphs, their inverse functions and the laws of sines and cosines.

531 Basic Algebra II

Grade: 11 Credit: 1.00 Full Year

Prerequisite: Successful completion of Basic Geometry and/or teacher recommendation.

This course begins with an extensive review of Algebra I topics such as the solution of linear equations and inequalities, writing and graphing linear equations, solutions of systems of equations in two variables, factoring, and properties of exponents. The course then proceeds to introduce more advanced topics as time permits. These may include functions, solutions and graphing of quadratic equations, solutions of systems in three variables, and exponential functions. Students are expected to have and use a graphing calculator.

534 Algebra II

Grade: 11 Credit: 1.00 Full Year

Prerequisites: Successful completion of College Prep Geometry, Basic Geometry (A+, 97% or higher) and/or teacher recommendation.

After a review and expansion of topics covered in Algebra I, the student studies quadratics, rational and radical expressions, conics, logarithms, functions, and other topics as time permits. This course requires the use of a graphing calculator.

542 Statistics & Data Analysis

Grade: 12 Credit: 1.00 Full Year

Prerequisites: Successful completion of Basic Algebra 2 and/or departmental approval.

The goal of this course is to present statistics in the context of its contemporary use while maintaining an emphasis on “doing” statistics. The course will guide students through the wide range of statistical applications used by scientists, business owners, government employees, and others in their work and daily lives. The course begins with descriptive statistics, including measures of center, variation and position and graphical methods. It continues through probability, including the normal, binomial, student-T, chi square, and F- distribution. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more. Students will be expected to utilize several different forms of technology in the class.

546 Precalculus

Grades: 11, 12 Credit: 1.00 Full Year

Prerequisites: Successful completion of College Prep Algebra 2, Basic Algebra 2 (A+, 97% or higher) and/or teacher recommendation.

The course examines the operations on real and complex numbers, functional representation, polynomial, exponential and logarithmic functions. Trigonometric functions, their inverse functions and their graphs, trigonometric identities and equations, and right and oblique triangles are also covered. Additionally, elements of matrices and conic sections are discussed. A graphing calculator is required.

547 Honors Precalculus

Grades: 11, 12 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: Successful completion of Honors Algebra 2, College Prep Algebra 2 (A+, 97% or higher), and/or teacher recommendation.

The course examines the operations on real and complex numbers, functional representation, polynomial, exponential and logarithmic functions, and topics from the theory of equations.

Trigonometric functions, their inverse functions and their graphs, trigonometric identities and equations, and right and oblique triangles are also covered. Additionally, elements of matrices, arithmetic and geometric sequences and series, mathematical induction, the binomial theorem, and conic sections are discussed. A graphing calculator is required.

578 AP Calculus AB

Grade: 11, 12 Credit: 0.50 Second Semester

Receives Advanced Placement quality points.

Prerequisites: Successful completion of Honors Geometry & Trigonometry (B-, 83% or higher) and/or teacher recommendation.

It is always recommended that students entering AP Mathematics courses have a strong foundation in algebra, geometry, trigonometry, elementary functions, and an understanding of how to use a graphing calculator.

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. The AP Calculus AB Exam measures students' understanding of the concepts of calculus, their ability to apply these concepts, and their ability to make connections among graphical, numerical, analytical, and verbal representations of mathematics.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

579 Advanced Placement Calculus BC

Grade: 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

Prerequisites: Completion of AP Calculus AB or equivalent with at least a C average and/or teacher recommendation.

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. This AP course covers topics in differential and integral calculus, series, Taylor Theorem, and parametric and polar equations. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. The AP Calculus BC Exam measures students' understanding of the concepts of calculus, their ability to apply these concepts, and their ability to make connections among graphical, numerical, analytical, and verbal representations of mathematics.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

Physical Wellness and Health Education Department

The Physical Wellness and Health Department strives to provide students with knowledge, awareness and an education promoting a healthy lifestyle. Students will experience a variety of physical education activities that allow for the development of character, sportsmanship and collaboration while giving students a chance to foster leadership skills. Effective communication and decision-making skills will also be developed.

315 Physical Education I

Grade: 9 Credit: 1.00 Full Year

The Physical Education units studied and applied include strength training, physical fitness, wrestling, bowling, soccer, football, basketball, volleyball, softball, and ultimate frisbee.

325 Physical Education II

Grade: 10 Credit: 0.50 One Semester

This course is a one-semester sophomore elective in Physical Education. The Physical Education units studied and applied include basketball and volleyball, strength training, badminton, pickleball, table tennis, flickerball, softball, and physical fitness. Physical Education II is mainly geared towards team sports.

328 Weight Training and Conditioning

Grade: 10 Credit: 0.50 One Semester

Prerequisites: Students must achieve a B or higher in Physical Education I and/or be recommended by his teacher.

This course is a one-semester sophomore elective in Physical Education. This course will introduce students to the basic knowledge and understanding of weight training and physical fitness principles. Activities will promote muscular strength, endurance, aerobic fitness, and flexibility. Students will understand the importance of exercises and what muscles they target. A major goal of the course is to enable the student to develop lifelong fitness skills and understand the components of a successful strength training program. Students will build a foundation for proper progression of athletic development. Develop proper mechanics in the most basic movement patterns, while identifying strengths and weaknesses to ensure long-term progress.

327 Health Education

Grade: 10 Credit: 0.50 One Semester

Topics covered in Health Education include wellness, personality and psychological traits, mental disorders, stress management, drug, alcohol and tobacco abuse, infectious and noninfectious diseases, AIDS, sexually transmitted diseases, first aid and CPR. Students will gain knowledge and awareness in order to make healthy decisions.

333 Junior Leadership Program

Grade: 11 Credit: 1.00 Full Year

Prerequisites: Teacher recommendation to enter the program and a cumulative GPA of at least 3.0 in freshman and sophomore physical education.

The Junior Leadership Program is a year long program split into 2 semesters. The first semester consists of students learning leadership skills while working through challenges in team building, communication, trust and competition. In the 2nd semester, students will apply their leadership skills by teaching freshman and sophomore students in their respective physical education classes. In addition, the students will be put through trust exercises, which ends with all students working together through a high-ropes course.

335 Advanced Weight Training

Grades: 11, 12 Credit: 0.50 One Semester

This course is a one-semester elective in Physical Education open to juniors and seniors. It is designed to further develop a student's knowledge and understanding of weight training and the components of physical fitness. Activities will include creating a personal fitness portfolio, cardiovascular exercise, and experimenting with a variety of physical fitness exercises. A major goal of the course is to enable the student to develop lifelong fitness skills.

343 Senior Leadership Program

Grade: 12 Credit: 1.00 Full Year

Prerequisites: Successful completion of Junior Leaders Program and/or departmental approval.

As Senior Leaders, the students will be expected to assist their cooperating teacher by leading the class in calisthenics, officiating activities, demonstrating the skills involved in each activity and lead freshmen and sophomores in experiencing fellowship and sportsmanship in a variety of physical activities. In addition, students will also be required to officiate intramural activities throughout the year.

331 Burke Scholar PE Leader

Grades: 11, 12 Credit: 0.5 One Semester

Prerequisites: Students must have PE Department and Burke Scholar Program approval prior to being enrolled.

NOTE: This course does not fulfill the PE 2/Health graduation requirement but counts as an elective. Students may register twice if they wish to take the course both semesters.

This is a course for students interested in working exclusively with Burke Scholar students in the Physical Education class setting. There will be an individualized plan and training put in place by the Burke Scholar Program Director and Physical Education Department Chair. Students will be expected to perform weekly reviews to be submitted to course supervisors.

Driver Education

Grades: 10, 11, 12 No Credit One Semester

Prerequisites: Students must meet all of the State of Illinois requirements and any requirements

established by the driving school.

This course is offered through an independent driving school. Instructors come on campus before school to offer the classroom instruction. Behind the wheel instruction is arranged through a student's study hall/free period or outside of regular school time. Tuition, established by the driving school, is paid directly to the driving school.

Religious Studies Department

As teachers in a Catholic school, our primary purpose is catechesis or instruction in the faith. We are charged with inculcating this faith in our students, assisting the young men we teach in living out that faith. We seek to accomplish this mission by making our students aware of the teachings and traditions of our Church, as well as acquainting them with the meaning of such teachings for their own lives. Our educational purpose is to help our students form a better understanding of their relationship to God, self and others, and the people they are called to be. We offer a systematic, integrated program of religious studies. We ask our students both for acquisition and application of the knowledge and skills taught. Our course of studies and our method of instruction work to nurture our students, helping them to progress spiritually, academically, morally and socially.

712 Andre Introduction to Catholicism

715 Introduction to Catholicism

Grade: 9 Credit: 1.00 Full Year

This course consists of a survey of the theology, tradition, and history of the Catholic Church and its salvific mission in time. Students are introduced to the elements of the Catholic faith, especially as expressed in the Apostles' and Nicene Creeds, and its foundational principles, consistent with the teachings of the Second Vatican Council and arising from both reason and revelation. This course will also provide students with a basic understanding of the sacraments and their role in the lives of Catholics today.

718 Honors Introduction to Catholicism

Grade: 9 Credit: 1.00 Full Year

Receives honors quality points.

This course covers the same basic information as the 715 *Introduction to Catholicism* course but in more depth and greater intensity. It consists of a survey of the theology, tradition, and history of the Roman Catholic Church and its salvific mission in time. Students are introduced to the elements of the Catholic faith, especially as expressed in the Apostles' and Nicene Creeds, and its foundational principles, consistent with the teachings of the Second Vatican Council and arising from both reason and revelation. This course will also provide students with a basic understanding of the sacraments and their role in the lives of Catholics today.

702/725 Old and New Testaments

Grade: 10 Credit: 1.00 Full Year

In the sophomore year, the students are introduced to a survey study of Sacred Scripture. The

meaning and message of the Old and New Testaments are examined, using the best scholarship that is available. The students begin to see and appreciate how God intervenes on behalf of His People, most dramatically in the person of Jesus. The students come to realize that in the life, death and resurrection of Jesus, the ancient prophecies are fulfilled in the New Covenant.

728 Honors Old and New Testaments

Grade: 10 Credit: 1.00 Full Year

Receives honor quality points.

Prerequisites: A grade of B or higher in previous Religious Studies courses and departmental approval. In rare circumstances, a student may be placed solely with departmental approval.

This course covers the same basic information as presented in the Old and New Testaments course, but in more depth and with greater intensity. Particular emphasis is placed on Scripture as a record of salvation history and the fulfillment of God's promise in the New Covenant of Jesus Christ.

736 Morality and Social Justice

Grade: 11 Credit: 1.00 Full Year

This class provides students with a deeper understanding of the core elements of moral decision making in the context of the Catholic faith. It covers the development of moral theology, including the most recent positions of the Catholic Church. Topics such as the foundations of Catholic morality, Jesus, the Church, conscience, the nature of sin, virtues, and the process for moral decision making will be addressed. The course will introduce the key principles of Catholic Social Teaching and will challenge students to examine how societies work and the values that ought to guide them.

738 Honors Ethics and Morality

Grade: 11 Credit: 1.0 Full Year

Receives honors quality points.

Prerequisites: A grade of B or higher in previous Religious Studies courses and departmental approval. In rare circumstances, a student may be placed solely with departmental approval.

This course consists of three main components. The first section of the course will focus on an examination of ethics and ethical systems, with particular emphasis on Christian ethics. Consideration of absolute and relative values and the meaning of truth will be included as part of this treatment. The second section will provide an in-depth study of the principles of Catholic morality. In the final section, students will then apply the principles and concepts that have been developed to specific issues of ethical and moral significance. These include the role of the family, sexuality, work and poverty, war and peace, the meaning of life, and medical and biological issues. Particular emphasis is placed on written analysis and examination of primary Church documents such as *Rerum Novarum*, *Humanae Vitae*, *Pacem in Terris*, and *Veritatis Splendor*, and relevant documents from the Second Vatican Council.

746 World Religions

Grade: 12 Credit: 0.50 One Semester

This course examines the major religions of the world: Hinduism, Judaism, Buddhism, Taoism, Islam and Christianity, surveying their histories and primary beliefs. Definition and understanding of a transcendent being, worldviews, and central rituals and practices will be among the subjects discussed. Special attention will be given to the impact religion has had and continues to have on human life.

747 Introduction to Philosophy

Grade: 12 Credit: 0.50 One Semester

The primary purpose of this course is to help students come to grips with some of the most fascinating and fundamental questions about the meaning of our existence. Philosophy provides us with the motivation and the intellectual abilities required to explore life's most challenging issues. What is the meaning of my life? To what extent am I free and responsible for my choices? How do I gain genuine knowledge and ascertain truth? These questions, and others like them, are the core questions of life, and philosophy provides the map, compass, and tools needed to explore them.

753 Roman Catholic Identity

Grade: 12 Credit: 0.50 One Semester

Roman Catholic Identity is a course designed to assist students in the critical exploration of the Roman Catholic tradition in the light of personal experience and the young adult identity issues which are a part of the developmental stage of soon-to-be college students. The course seeks to aid the student through a study of the Tradition in the context of institutional belonging and identity. The course will provide the opportunity for critical reflection on the questions and experiences of the students in light of the study of Catholic Theology.

749 Honors World Religions

Grade: 12 Credit: 0.50 One Semester

Receives honors quality points

Prerequisites: A grade of "B" or higher in previous Religious Studies courses and department approval. In rare circumstances, a student may be placed solely with department approval.

This course will examine the development of religious ideas and doctrines throughout the world, beginning with primitive cultures and continuing through more recent developments. Through the use of primary sources, students will examine man's continuing understanding of the transcendent, himself, and his world.

750 Honors Catholicism in Literature

Grade: 12 Credit: 0.50 One Semester

Receives honors quality points

Prerequisites: A grade of B or higher in previous Religious Studies courses and department approval. In rare circumstances, a student may be placed solely with department approval.

Since the beginning of human existence, humans have attempted to explain God and our place in creation through the use of story. Over time, these stories have evolved into a variety of literary formats. This course will examine some of these literary genres to discover how various writers have dealt with a variety of theological themes: God, creation, free will, good and evil, sin, judgment, and salvation. We will explore a variety of authors such as C.S. Lewis, J.R.R. Tolkien, G.K. Chesterton, Flannery O'Connor and Stephen King.

Science Department

The growth of scientific knowledge during the twentieth century has been without precedent in human history. Scientific knowledge more than any other branch of learning has made the world most different from the past. Now, in the twenty-first century, science must be recognized as a core subject that must be taught in an understandable fashion to all students. Science gives the student a deeper insight into himself as an individual, a respect for the dignity of humankind, and a responsible concern for the world the Creator entrusted to humans.

824 Andre Biology

822 Biology

Grade: 10 Credit: 1.00 Full Year

Prerequisite: Placement by Andre Center staff.

This is a laboratory course that focuses on a better understanding and appreciation of life. Students will receive an introduction to applied biology. This college preparatory course emphasizes the following topics cell biology, ecology, DNA, genetics, evolution, diversity of life, human anatomy and physiology. This course is intended to develop scientific thinking skills and to enhance comprehension of the nature of science.

829 Honors Biology

Grades: 9, 10 Credit: 1.00 Full Year

Receives honors quality points

Prerequisite: Placement by department.

NOTE: This class may require extra meeting time outside of designated class period. This laboratory course takes a more in-depth look at the topics studied in the college prep course. Additionally, the relationship of structure and function, biochemistry, biotechnology, and the role of science in society are also studied.

834 Chemistry

Grades: 10, 11, 12 Credit: 1.00 Full Year

Prerequisite: Biology

842 Andre Chemistry

Grades: 11,12 Credit: 1.00 Full Year

Prerequisite: Biology and Placement by Andre Center staff.

Chemistry is the study of matter and the changes it undergoes. This college preparatory course emphasizes the following topics: how to conduct chemistry labs, atomic theory, electron configuration, patterns and trends of the periodic table, chemical bonds, chemical reactions, stoichiometry, gas laws, solutions, thermodynamics, and acid-base theory at introductory levels. The laboratory component is crucial in examining both quantitative and qualitative aspects of chemistry.

838 Honors Chemistry

Grades: 10, 11, 12 Credit: 1.00 Full Year

Receives honors quality points

Prerequisites: Biology, a B or better in math courses, and/or departmental approval.

NOTE: This class may require extra meeting time outside of designated class period.

This course takes a more in-depth look at the topics in the college prep Chemistry course and also focuses on oxidation-reduction.

844 Physics

Grades: 11, 12 Credit: 1.00 Full Year

Prerequisites: A minimum of C in previous math and science courses, concurrent enrollment in any mathematics course appropriate to the grade level, and/or department approval.

This course is the general physics introductory course for high school students in the college preparatory program. It is designed to give a basic overview of physical laws and laboratory procedures necessary for taking college level programs. A working knowledge of algebra and geometry is expected. The course covers the following topics: mechanics, waves, and basic electricity. Students are expected to gain skill in the methods of physics, the interpretation of data and the relationship among several variables.

846 Human Anatomy and Physiology

Grades: 11, 12 Credit: 1.00 Full Year

Prerequisites: Biology and Chemistry or Physics and/or departmental approval.

NOTE: This course will not be offered in the 2024-25 school year.

Knowing and understanding the structure and function of the human body is a life benefit for all students. Comprehension of how the various body systems work together to provide homeostasis provides insight and appreciation for maintaining overall health. Additionally, this course is intended for students who think they might pursue a career in healthcare and the medical field.

847 Forensic Science

Grades: 11, 12 Credit: 1.00 Full Year

Prerequisites: Biology and Chemistry or Physics and/or departmental approval.

Topics include Forensic Entomology, Death and the Human Body, conducting autopsies, how to work a crime scene, conduct a mock trial, interpret and present evidence (fingerprinting, blood spatter, DNA, etc.). This will include unique hands-on experiences such as seeing a live autopsy, conducting investigations in mock crime scenes, and handling mature content such as case studies with O.J. Simpson, JonBenét Ramsey, and others. Students will learn how to interpret and present forensic evidence and to be better equipped to work as an impartial juror.

849 Introduction to Engineering

Grade: 12 Credit: 0.50 One Semester Prerequisites: Biology, Chemistry, and Physics (or concurrent enrollment in Chemistry/Physics)

NOTE: This course is NOT a lab science and does not count towards the graduation requirement of 3.0 credits of Lab Science. Students who elect to take this course must still complete three other credits of science courses at Notre Dame.

This course is designed to introduce students to various fields within engineering, including, but not limited to: mechanical, aerospace, civil, chemical, and electrical. Focus will be given to experiments that simulate common engineering scenarios, to career opportunities available, and to opportunities to speak with professionals about their respective engineering fields. This course is intended for students who think they might pursue a career in engineering or a related field.

853 Environmental Science

Grades: 11, 12 Credit: 1.00 Full Year

Prerequisite: Biology and Chemistry or Physics and/or departmental approval.

This is a laboratory course that aims to introduce students to the scientific principles, concepts and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions to resolving or preventing them.

879 Advanced Placement Biology

Grade: 11, 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

Prerequisites: Biology, Chemistry, and/or departmental approval.

NOTE: This class may require extra meeting time outside of the designated class period.

This laboratory course is designed to be the equivalent of a college introductory course usually taken by biology majors in their first year. Topics include statistics, biochemistry, cells, cell energetics, heredity, molecular biology, evolution, and ecology.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

878 Advanced Placement Chemistry

Grades: 11, 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

Prerequisites: Biology, Chemistry, and/or departmental approval.

NOTE: This class may require extra meeting time outside of the designated class period.

Advanced Placement Chemistry is designed to be the equivalent of a first-year college chemistry course. It builds on the foundations of Chemistry, but places greater emphasis on chemical calculations and problem-solving. The course focuses heavily on the development of advanced laboratory skills and prepares the student to take the Advanced Placement Chemistry Exam. Because of the greater range and depth of topics covered, the course requires additional time and effort from the student.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

876 Advanced Placement Physics 1

Grades: 11, 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

Prerequisites: Biology, Chemistry, and/or departmental approval.

NOTE: This class may require extra meeting time outside of designated class period.

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

Note: Students may not take AP Physics 1 if they have already completed a year of Physics (844) at Notre Dame College Prep

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

877 Advanced Placement Physics 2

Grade: 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

Prerequisites: Biology, Chemistry, Advanced Placement Physics 1 and/or departmental approval.

NOTE: This class may require extra meeting time outside of designated class period.

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

Social Studies Department

The department takes a skills-based approach toward the investigation of the arts, cultures, economics, history, and politics of the major world civilizations in efforts to prepare students for success beyond high school in our modern society.

919 Andre World History

920 World History

Grades: 9, 10 Credit: 1.00 Full Year

NOTE: This course must be completed by the end of sophomore year.

The course begins with pre-history (several thousand years before the common era) and ends with the effects of the Cold War on the early 21st Century. Students will learn about the socioeconomic conditions, political institutions, and ideological attitudes that have marked various time periods throughout history. Using primary and secondary sources, students conduct an inquiry-based research to examine historical events, cultural developments, and social and family structures. Students will analyze statistics and data from maps, charts, and graphs to identify trends and patterns throughout history. Students are encouraged to use critical-thinking and problem-solving skills to evaluate the achievements of civilizations in the fields of science, technology, and the arts.

NOTE: Course 919 covers the same basic information as presented in World History but more time is spent on each of the topics with more emphasis on basic skills in each of the lessons. Evaluation is more fact based and less analytical than in the average level class. Students will be placed into this course at the discretion of the department.

921 Honors World History

Grades: 9,10 Credit: 1.00 Full Year

Receives Honors quality points

NOTE: 919, 920, 921 or 976 must be completed by the end of sophomore year.

Prerequisites for freshmen: Score in the 80th percentile in at least two of the Language Arts categories and between the 60th and 79th percentile in the third category on the HSPT or satisfactory score on the honors entrance exam

This course serves as an honors level introductory course within the Social Studies curriculum and as such will be more reading- and writing-intensive than courses 919/920. The course begins with pre-history (several thousand years before the common era) and ends with the effects of the Cold War on the early 21st Century. Students will learn about the socioeconomic conditions, political institutions, and ideological attitudes that have marked various time periods throughout history. Using primary and secondary sources, students conduct an inquiry-based research to examine historical events, cultural developments, and social and family structures. Students will analyze statistics and data from maps, charts, and graphs to identify trends and patterns throughout history. Students are encouraged to use critical-thinking and problem-solving skills to evaluate the achievements of civilizations in the fields of science, technology, and the arts.

976 Advanced Placement World History Modern

Grade: 9,10 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

NOTE: 919, 920, or 976 must be completed by the end of sophomore year.

Prerequisites for freshmen: Score in the 90th percentile in at least two of the Language Arts categories and between the 70th and 89th percentile in the third category on the HSPT or satisfactory score on the honors entrance exam.

Prerequisites for sophomore: Score in the 80th percentile in at least two of the Language Arts categories and between the 60th and 79th percentile in the third category on the HSPT or satisfactory score on the honors entrance exam. A grade of “B+” or higher in #113 Composition and Literature I and department approval.

This is a one-year course geared toward preparing the student for the Advanced Placement exam in World History. In addition to a basic exposure to the factual narrative, the student will develop a greater understanding of the patterns and impact of interaction among major societies and the relationship of change and continuity across world history between 1200 CE. to the present. This is achieved through combining selective factual knowledge with appropriate analytical skills.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

933 United States History

Grade: 11 Credit: 1.00 Full Year

NOTE: 933 or 977 must be completed by the end of junior year

This course is required for graduation. It is a survey of the ideas, cultural patterns, personalities, and events that make up our democratic heritage, our American ideals, and our traditions of government. Particular movements, regions, cultural development, and series of events are discussed in-unit framework with cause-and-effect relationships rooted in our developing national destiny. Issues and concepts are given great emphasis, especially in regard to current situations, either political, international, economic or cultural.

977 Advanced Placement United States History

Grade: 11 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

NOTE: 933 or 977 must be completed by the end of junior year

Prerequisites: A grade of “B” in both Social Studies and English, department and AP teacher approval.

This course satisfies the United States History requirement for graduation. This is a one-year course geared toward preparing students for the Advanced Placement exam in United States History. The course covers the same basic information as presented in the United States History course, but in more depth and with greater intensity. An emphasis is placed on the written analysis and interpretation of the cause-and-effect relationships present in our history, and how these have shaped our national character and destiny.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

935 Sociology

Grades: 10, 11, 12 Credit: 0.50 One Semester

This one-semester course covers the systematic study of social life. The course is especially concerned with studying group influences on individual behavior. It covers the traditional sociological topics including culture, social interaction, socialization, group behavior, deviance, inequality, and the major institutions such as the family, religion, government, and education. A major goal of the course is to enable the student to become aware of himself and to realize his impact on those around him, thus guiding, in a desirable way, his actions with others. This class is intended to be useful for those students thinking of careers in social work, law enforcement, research, teaching, and all generally service-oriented occupations.

936 Chicago Studies

Grades: 11, 12 Credit: 0.50 One Semester

NOTE: This course will NOT be offered during the 2024-2025 school year.

This course will cover a wide range of disciplines using the City of Chicago as a case study. The curriculum is developed to integrate several of the social studies into one class, broadly exposing students who might not otherwise be able to experience numerous courses. This course will cover six main areas including: geography, history, economics, political science, and arts. The Chicago Studies course has a dual purpose: 1) to interest students in social studies, and 2) to teach students about their environment, namely, Chicago. Students will be required to attend one of two field trips, most of which will be planned on weekends.

978 Advanced Placement Government

Grades: 11, 12 Credit: 1.00 Full Year

Receives Advanced Placement quality points.

Prerequisites: A grade of “B” in both Social Studies and English and departmental approval.

This is a one-year course geared toward preparing students for the Advanced Placement exam in United States Government and Politics. An investigation of the principles of American Democracy, political behavior, legal rights and obligations and fundamental mechanics of our governmental system are explained in a discussion situation. The course is designed to prepare students for responsible citizenship upon their graduation from Notre Dame. This course will satisfy the NDCP Civics requirement and students must pass the Constitution test to receive credit for the course.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

943 Contemporary United States History

Grade: 12 Credit: 0.50 One Semester

This one-semester course covers the period of American history that begins with America's entrance into World War II and concludes with the present day. Particular emphasis will be given

to the increasingly global role the United States has come to play in this period. Additionally, the effect of the wider world on the course of American history will be emphasized. Finally, several other themes will be examined such as the growing role of the federal government in the lives of Americans, the waxing and waning of the isolationist impulse and the increasing diversity of America in the twentieth century.

944 Economics

Grade: 12 Credit: 0.50 One Semester

This course is designed to cover the basic principles of economics. Particular emphasis will be given to the American free-enterprise system that has so benefited our society since the founding of our country. Key topics discussed during the semester will include: factors of production, supply and demand, gross domestic product, fiscal policy, Federal Reserve and monetary policy, and international trade. Each of these core principles of economics will be related to current economic events taking place throughout the world. In addition to the basic concepts of economics, a significant portion of this class will be dedicated to teaching young adults the importance of personal finance and developing a long term plan for financial success.

945 Psychology

Grade: 12 Credit: 0.50 One Semester

This course emphasizes the processes and problems of personality and interpersonal relations. Students are invited to see that psychological knowledge and insights can help them guide the development of their personalities in desirable ways and help in understanding the feelings, needs and motives of others. It is hoped that the course will enable an individual to become aware of himself and others to a greater degree.

This one-semester course attempts to familiarize the students with some of the major areas of psychology by examining traditional as well as current thinking in the field. Topics include psychology, sensation, perception, states of consciousness, learning, memory, language, intelligence, lifespan development, motivation, personality, and abnormal behavior. It is intended to be useful for those students thinking of careers in counseling, law enforcement, clinical work, research, government, business, teaching, and all psychology-based occupations.

941 Civics

Grade: 10, 11, 12 Credit: 0.50 One Semester

NOTE: This course is a graduation requirement, and the United States Constitution Test is administered during the semester.

NOTE: 941 or 978 must be completed by the end of senior year

This is a semester-long course designed to educate students on the foundations, processes and contemporary issues of American government. Our studies will help students acquire and learn to use the skills, knowledge, and attitudes that will prepare them to be competent and responsible citizens throughout their lives. The course will address government institutions, discuss current and controversial issues.

975 AP Macroeconomics

Grade: 12 Credit: 0.50 One Semester

Prerequisites: A grade of “B” in both Social Studies and English and departmental approval. AP Macroeconomics is a semester long, introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

942 Entrepreneurship (Incubatoredu @ NDCP)

NOTE: This course will NOT be offered during the 2024-2025 school year.

Grade: 12 (limited enrollment)

If you are interested in starting your own business or working for yourself, then this is the course for you. Students will have the opportunity to create and develop their own idea for a product or service. Student teams will work through the process of developing their idea, learn to do market research, and develop their business plan. Along the way, they will learn all the skills to run their business from marketing, accounting, and human resources to all legal aspects of running their business. Students will have the opportunity to learn from experts in these fields. INCubatoredu is a full-year course, and offers an authentic entrepreneurship experience as students build a business. Students make mistakes, take risks and learn to pivot. They develop their own product or service startup to gain investment funds in a final shark-tank style pitch event. Real entrepreneurs and industry experts serve as volunteer coaches and mentors guiding student teams through the processes of developing hypotheses about a business concept, testing those hypotheses, adapting, and continually learning and improving. Students leave the course having completed a Business Model Canvas, competitive analysis, financial model, minimum viable product, pitch deck, future communications plan, and future funding plan.

Technology Department

The pathway for learning Technology at Notre Dame College Prep begins with either Digital Literacy or Robotics. Both of these semester courses are offered at the Freshman and Sophomore level. Students interested in Computer Science should consider App Development and Introduction to Computer Science Principles. These courses are offered on alternative years providing students the opportunity to take both courses. Media Production and Web Design are creative courses that provide students the opportunity to use technology to design media. Students interested in Business may want to explore the Accounting course. Students interested in Computer Science and are comfortable with programming and advanced Algebra should consider taking the AP Computer Science course. Notre Dame College Prep has a graduation requirement of 0.50 credit in Technology. This requirement may be fulfilled by successfully completing any of the courses offered in the Technology Department.

Notre Dame College Prep has a graduation requirement of 0.50 credit in Technology. This requirement may be fulfilled by successfully completing any of the 8 courses offered in the Technology Department. **Please note that some courses will be offered every other year to

provide a variety of courses and allow more students to participate.

204 Digital Literacy

Grade: 9, 10 Credit: 0.50 One Semester

This course is designed to provide students the technical skills necessary to be a successful digital student at ND. Students will learn how to navigate the iPad, complete digital assignments, and collaborate with others using Google tools. Digital citizenship and research skills are also covered. It is recommended that this course be taken during a student's freshman year. Incoming freshman students may also take this course during Summer School prior to beginning NDCP in the fall.

239 Robotics

Grades: 9, 10 Credit: 0.50 One Semester

In this course, students will learn about robotics, programming/engineering, and problem solving. They will be given introductions to the VR VEX Education and VEX Robotics Design System while learning key STEM principles through various labs and group work that captures the excitement and engagement of robotics.

235 App Development

Grades: 10, 11, 12 Credit: 0.50 One Semester

****NOTE:** *App Development WILL NOT be offered in the 2024-25 school year.*

The primary learning outcome for this course is that students will be able to design and create web applications. Students will be introduced to programming in Java for code.org's App Lab and learn sequence, selection and iteration; the core fundamentals of a programming language. With App Lab as the platform students will learn with hands-on projects object oriented programming, UI/UX design, program flow, debugging and working through the design process.

238 Introduction to Programming - Arduino

Grades: 10, 11, 12 Credit: 0.50 One Semester

****NOTE:** *Introduction to Programming WILL NOT be offered in the 2025-26 school year.*

This course provides an introduction to the fundamentals of computer programming and electrical engineering, which is the foundation of Computer Science. Students will learn programming in a variant of C for the Arduino and will develop a solid grasp of building circuits and writing programs to control them. Students will learn the skills necessary to design, write, and debug circuits / programs.

227 Web Page Design

Grades: 10, 11, 12 Credit: 0.50 One Semester

This advanced computer course introduces the student to the Internet and web design. This course will focus on learning to create web pages using HTML and CSS. Internet-related concepts and recommended web site design practices are also covered. Each student is

responsible for designing a web site of his choice (with instructor approval) using all the skills learned in the course.

Media Production

Grades: 11, 12 Credit: 0.50 One Semester

Prerequisite: None

Media Production introduces students to media production with a theory-based, hands-on approach. Topics include the fundamental and technical aspects of graphic creation, camera shots, composition, audio creation, media literacy, and audio/video editing. Students will create projects for broadcast on campus digital signage and other school related media outlets.

030 Accounting

Grade: 11, 12 Credit: 0.50 One Semester

This course is a comprehensive presentation of the elements of accounting theory and practice. Students are taught how to analyze and record business transactions using the double entry accounting system. Specific topics include the accounting model, general purpose financial statements and accounting for assets, liabilities, and owner's equity.

277 AP Computer Science Principles

Grades: 10, 11, 12 Credit: 1.00 Full Year

Prerequisite: Successful completion of Algebra I. GPA above 2.80

This course is a rigorous AP level Computer Science course that introduces high school students to the foundations of modern computing and programming. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.

NOTE: All students enrolled in an Advanced Placement class are required to take the Advanced Placement exam in that subject in May of the academic year.

National College Athletic Association (NCAA) Eligibility

Student-athletes who wish to participate in college athletics at the Division I and Division II levels must meet academic eligibility requirements. Courses taken in high school must be approved by the NCAA to certify initial eligibility. These are the NCAA-approved courses at Notre Dame College Prep:

English

Composition and Literature I

Honors Composition and Literature I World Literature/Composition II

Honors World Literature/Composition II American Literature

Honors American Literature

Math

Algebra I

Honors Algebra I

Algebra II

Honors Algebra II/Trigonometry Geometry

Honors Geometry/ Trigonometry

Social Studies

World History

Honors Western Civilization

AP World History

United States History

Contemporary American History AP United States History

Chicago Studies

British Literature

Honors British Literature Creative Writing

Speech

AP English Language AP English Literature Journalism Precalculus

Honors Precalculus AP Calculus AB

AP Calculus BC

Statistics

Economics

AP Macroeconomics Psychology

Sociology

Civics

AP U.S. Government

Science

Biology

Honors Biology AP Biology

Chemistry

Honors Chemistry AP Chemistry

Additional Courses

Italian 1

Italian 2

Honors Italian 2 Italian 3

Honors Italian 3 Italian 4

Honors Italian 4 AP Italian

Spanish 1

Spanish 2

Physics

AP Physics 1

AP Physics 2

Environmental Science

Forensic Science
Human Anatomy and Physiology
Honors Spanish 2
Spanish 3
Honors Spanish 3
Spanish 4
AP Spanish
Philosophy
World Religions
Honors World Religions

For further information, students should meet with their counselors and visit the NCAA website at www.eligibilitycenter.org.