

# Notre Dame Academy



## Curriculum Guide

2025–2026

The information provided in this Curriculum Guide is designed to acquaint students and parents with the various courses offered at Notre Dame Academy. It is very important that the student works with her academic counselor to plan a program of studies that balances her abilities and interests while meeting the requirements for graduation. This guide is published online initially in time for students to make course requests for the next school year. Notre Dame Academy reserves the right to update this Curriculum Guide as needed to keep the information current as the year progresses.

## ***GENERAL INFORMATION***

Twenty-six credits are required for graduation from Notre Dame Academy. Completion of this curriculum meets or exceeds the Pre-College Curriculum required by the Commonwealth of Kentucky for admission to public universities. Twenty-three credits are required and three credits are elective as listed below:

Religion .....	4	credits
English .....	4	credits
Mathematics (*Please see the note below.) .....	4	credits
Science .....	3	credits
History and Social Studies .....	3	credits
World Language .....	2	credits
Visual and Performing Arts .....	1	credit
Financial Literacy (**Please see the note below.).....	½	credit
Technology .....	½	credit
Health .....	½	credit
Physical Education .....	½	credit
Electives.....	3	credits

(\*The state mathematics requirement for the Pre-College Curriculum requires the completion of the core content mathematics standards and that “Mathematics shall be taken each year of high school.” A senior must take a mathematics course regardless of whether she may have doubled up in math as a sophomore or taken Algebra 1 Grade 8 Honors and have already earned 4 mathematics credits prior to her senior year.

\*\*Kentucky’s graduation requirement for education in financial literacy is met through an online course students take during their junior or senior years.)

Electives offered are determined by student interest. Some of the courses in this guide may not be taught in a given year because of insufficient enrollment.

Courses are offered on three levels of difficulty: college preparatory, honors, and advanced placement/dual credit/college. Academic departments recommend course levels for the required classes that in their professional judgment are appropriate for each student. Students are encouraged to select elective courses according to their ability and interest.

College preparatory level courses provide a solid educational foundation for higher education. The majority of students study at this level. These classes are identified in this curriculum guide as “level 3” and indicated by course numbers ending in 3. (Please note: Notre Dame Academy does not offer “level 1” or “level 2” general courses. Course numbers ending in 0, 1, or 2 are reserved for administrative use on transcripts to indicate various courses not included in GPA calculations such as transfer students who have earned credit through pass/fail courses.)

Honors level courses involve higher academic standards and a greater workload than college preparatory courses. These classes are identified in this curriculum guide as “level 4” and indicated by course numbers ending in 4.

Advanced Placement (AP) or college level dual credit courses provide the opportunity to earn college credit while remaining enrolled in high school. The AP and dual credit course recommendation process begins with a conversation with the teacher and/or counselor and student. Enrollment in certain classes must be approved by the respective department. These courses are for students who are highly interested in the content area and have shown discipline and motivation to keep pace with rigorous coursework. Dual credit college level courses are defined by the Kentucky Education Department as the student taking both the high school course and the companion college course simultaneously while in high school. To qualify as dual credit, students must enroll in the companion college course. Please see the Notre Dame Academy Dual Credit Course Policy below for the full details of the registration process for various colleges. If the student does not enroll in the college course, she will be transferred into the alternate level 4, honors, course at Notre Dame Academy. Some AP courses also offer a dual credit option. Since they are level 5 courses by virtue of being AP, students will remain in the Advanced Placement course even if they decline the dual credit option. Advanced Placement (AP) and dual credit courses are identified in this curriculum guide as “level 5” and indicated by course numbers ending in 5.

*AP Courses Currently Offered At Notre Dame Academy*

AP Biology	AP Physics 2
AP Calculus AB	AP Precalculus
AP Computer Science Principles	AP Psychology
AP English Language & Composition	AP Seminar-English
AP English Literature & Composition	AP Spanish Language
AP Environmental Science	AP Spanish Literature
AP European History	AP Statistics
AP French Language	AP Studio Art
AP Human Geography	AP U.S. History
AP Physics 1	AP World History

### *Dual Credit Courses Currently Offered At Notre Dame Academy*

AP European History as Dual Credit through Thomas More University  
DC Physics 1 (Phy 121) as Dual Credit through Thomas More University  
DC Physics 2 (Phy 122) as Dual Credit through Thomas More University  
DC Chemistry–Dual Credit through Thomas More University  
DC Education 101–Dual Credit through Thomas More University  
DC Engineering Foundations–Dual Credit through the University of Cincinnati  
DC Latin 3–Dual Credit through Thomas More University  
DC Latin 4–Dual Credit through Thomas More University  
DC Public Speaking (Com 105)–Dual Credit through Thomas More University  
DC Spanish 4– Dual Credit through Thomas More University

### ***ASSESSMENT OF ACADEMIC PROGRESS***

Teachers at Notre Dame Academy use a variety of methods in assessing a student’s academic progress. Teachers provide an explanation of their grading process in the course description in PowerSchool and/or in the course syllabus. Students should note this and maintain a record of their grades. The student’s progress is reported to the parents online through the PowerSchool application linked from Resources tab on NDA’s web page. Parents and students are encouraged to check regularly both their grade and attendance information available as it is continually being updated. Quarterly report cards are emailed through PowerSchool. Printed report cards are sent home at the end of the year. The final grade for a course is calculated from the quarter grades (80%) and exam grade(s) (20%) and appears under the heading “F1” on report cards and PowerSchool pages. A minimum final grade percentage of 60 is required to earn credit for a class at NDA. The GPA calculation is based on the F1 grades using the scales that follow.

## ***GRADE POINT AVERAGES (GPA)***

### **The Notre Dame Academy Grade Point Average**

Colleges and universities consider GPA when evaluating the admission and scholarship applications of students. Notre Dame Academy's academic records include both a yearly and a cumulative GPA calculation that is based on a four-point scale. Extra weight is added in the GPA calculations for students who take either level 4 (honors classes) or level 5 (AP/college classes). The GPA points that are the basis of these calculations are assigned to the current/final average grade ranges according to the scales that follow:

#### ***NDA GPA Points Scale for Level 3***

93–100%.....	4.00
90–92%.....	3.84
87–89%.....	3.67
83–86%.....	3.33
80–82%.....	3.00
77–79%.....	2.67
73–76%.....	2.33
70–72%.....	2.00
67–69%.....	1.67
63–66%.....	1.33
60–62%.....	1.00
0–59%.....	0.00

#### ***NDA GPA Points Scale for Level 4***

93–100% .....	4.50
90–92% .....	4.34
87–89% .....	4.17
83–86% .....	3.83
80–82% .....	3.50
77–79% .....	3.17
73–76% .....	2.83
70–72% .....	2.50
67–69% .....	2.17
63–66% .....	1.83
60–62% .....	1.50
0–59% .....	0.00

#### ***NDA GPA Points Scale for Level 5***

93–100%.....	5.00
90–92%.....	4.84
87–89%.....	4.67
83–86%.....	4.33
80–82%.....	4.00
77–79%.....	3.67
73–76%.....	3.33
70–72%.....	3.00
67–69%.....	2.67
63–66%.....	2.33
60–62%.....	2.00
0–59%.....	0.00

## The KEES Grade Point Average

The Kentucky Educational Excellence Scholarship (KEES) program awards scholarships in varying amounts based in large part on a student’s GPA. Please note, home school credits are not permitted to be included in the KEES GPA. The KEES program requires that participating schools use a four-point scale for the GPA, but does make an exception to allow schools to give added weight in the calculation for Advanced Placement (AP) and dual credit classes. The KEES regulations require that for a course to receive this added weight it must be a registered AP class or meet the qualification as a dual credit course where the student is enrolled in the high school and college course simultaneously [KRS 158.007]. Note, therefore, that students who have taken honors and/or college level classes other than AP or Dual Credit will have a lower KEES GPA reported than the Notre Dame Academy GPA. The KEES GPA is reported to the state program officials at the end of the school year and will appear on the fourth quarter report card. Please note that this scale does not allow for gradations between the whole number GPA points assigned to the grade ranges.

### *KEES GPA Points Scale for Level 3, 4 and non-AP/Dual Credit level 5 Courses*

90–100% .....	4.00
80–89% .....	3.00
70–79% .....	2.00
60–69% .....	1.00
0–59% .....	0.00

### *KEES GPA Points Scale for AP and Dual Credit Courses*

90–100% .....	5.00
80–89% .....	4.00
70–79% .....	3.00
60–69% .....	2.00
0–59% .....	1.00

Both the NDA and the KEES GPA grade calculations are obtained by multiplying the GPA points for each class times the Potential Credit for each class as shown on the report card. The sum of those answers is then divided by the sum of the potential credits.

## Grading Scale Description

90–100:	Represents exceptional mastery of the material
80–89:	Above average work
70–79:	Average work expected in a college preparatory school
60–69:	Below average work
Below 60:	Failure to demonstrate competency in the subject or to fulfill the course requirements
Incomplete:	Only for exceptional reasons is an "I" issued for a quarter.
Pass/Fail:	The pass/fail grade is primarily used for enrichment courses. A grade of “P” earns credit towards graduation but is not included in a student’s GPA or weighted scholastic mark average. Passage of the state mandated civics test is also indicated by a “P” but does not earn credit.

## ***WEIGHTED SCHOLASTIC MARK AND ACADEMIC HONORS***

Notre Dame Academy uses the academic levels of the different courses as a way of encouraging students to match their God given intellectual talents with appropriate course content. A weighted scholastic mark that reflects the degree of difficulty of the course is used in determining various academic honors at Notre Dame Academy rather than the course percentage grade or GPA. This rewards students who challenge themselves by taking more difficult classes. Level 5 (advanced placement and dual credit) courses carry a weighted scholastic mark that is a multiple of 1.1 times the course semester grades of 60 or above. Level 4 (honors) courses carry a weighted scholastic mark that is a multiple of 1.05 times the course semester grades of 60 or above. Level 3 courses carry a weighted scholastic mark equal to the course semester grade. Course semester grades are based upon the quarter grades and the exam grade for that semester. The determination of first and second honors is delayed for two weeks to allow students to finish any incomplete work. Students with any incomplete (I) grades beyond that time do not qualify for first or second honors.

***First Honors:*** Students who have no incomplete grades and an average weighted scholastic mark for all their classes in a given semester of a 95 or above and no weighted scholastic mark below a 90 are awarded first honors for that semester.

***Second Honors:*** Students who have no incomplete grades and an average weighted scholastic mark for all their classes in a given semester of an 85 or above and no weighted scholastic mark below an 80 are awarded second honors for that semester.

***Grade Level Scholarships:*** Each year four grade level scholarships are awarded to students in the current freshmen, sophomore, and junior classes for the subsequent year. The two students in each of those grade levels with the highest overall average weighted scholastic marks automatically qualify for two of those scholarships. The remaining two scholarships at each grade level are awarded based on a faculty vote from among those students who meet the qualifications and apply.

***National Honor Society (NHS):*** Juniors and seniors who have demonstrated outstanding academic leadership, character, and service at Notre Dame Academy and the community may be invited to become members of the National Honor Society with the privilege of wearing the gold cord symbolizing that honor at graduation. The weighted NDA Cumulative GPA is a very important criterion in determining membership in the National Honor Society.

***Graduation Honors:*** Seniors are recognized for graduation academic honors based on their NDA cumulative grade point average. Seniors who have earned a NDA cumulative GPA of 4.0 or higher are recognized as graduating *Summa Cum Laude*. Those graduating with a NDA cumulative GPA of 3.75 up to 4.0 are recognized as graduating *Magna Cum Laude*. Those graduating with a NDA cumulative GPA of 3.5 up to 3.75 are recognized as graduating *Cum Laude*.

***Valedictorian and Salutatorian:*** Although Notre Dame Academy does not publish a class rank for its students, it does recognize the top two graduating seniors as measured by their overall average weighted scholastic marks as the valedictorian and salutatorian of their class. The valedictorian is invited to speak at graduation and the salutatorian at the Baccalaureate Mass. To be considered for the honor of valedictorian or salutatorian, a student must be enrolled at Notre Dame Academy for a minimum of two complete academic years.

## ***POLICIES FOR TRANSFER STUDENTS***

Notre Dame Academy does not discriminate on the basis of race, color, or ethnic origin. Notre Dame Academy's mission and philosophy are intended to aid parents in providing a Catholic education for their daughters. The primary considerations for transfer admission to Notre Dame Academy are the prospective student's academic ability as measured by standardized test scores and current high school academic record. Space availability may also be a consideration.

Notre Dame Academy will honor any high school credits a student has received if it appears on a transcript from another high school or the student is able to document that the credit was earned in a high school class covering a high school curriculum in that subject. High school credits a student may earn before her freshman year will be included in her earned credits towards graduation and her NDA Cumulative GPA if requested by the student. But, with the exception of NDA's Algebra 1 Grade 8 Honors course, grades for courses prior to grade 9 will not be included in the student's Weighted Scholastic Class Rank Mark. Students must make this request at the time they enter NDA and that decision cannot be changed later. Consultation with the student's academic counselor is strongly advised when making this decision. Careful consideration should be given when making this decision to consider what impact the additional credits may have on the student's scheduling options and on the impact including such courses will have on the student's GPA. It is not always advantageous mathematically to include the credits earned in middle school as part of her NDA Cumulative GPA. Home school credits will be issued only if credit appears on a high school transcript.

Religion credits required for graduation may be waived for the transfer history years of students coming from non-diocesan schools.

Transfers occurring during the school year may have the current year's grades from their previous school included with grades earned at Notre Dame Academy, if practical, to determine course averages. Courses that cannot be continued at NDA will be evaluated by the counselors to determine if any credit can be awarded.

A transfer student may not repeat a course in which credit has already been issued unless she chooses to forfeit that credit. If a course is repeated, the grade earned at NDA will be the grade that appears on the transcript.

Grades that are transferred from another school will be converted to the NDA grade and GPA scales. Students will only receive honors or AP credit if the course is clearly indicated as such on their transcript. International Baccalaureate (IB) courses will receive honors credit. Credits earned through remedial summer school will not be included in the GPA.

Situations that are not covered by these policies will be evaluated on an individual basis.



## ***POLICY FOR ADDITIONAL COURSE OFFERINGS***

There may be times when a student wants to take a course for Notre Dame Academy credit that is not offered in the *Curriculum Guide*. This may be in order to recover lost credit, resolve a scheduling conflict, take advanced courses or fulfill an interest in particular course content. The student must apply to take all such courses through her academic counselor and obtain the approval of the administration prior to beginning the course. All coursework must be completed within an agreed-upon time frame. Any financial obligations involved in taking the course are the responsibility of the student. Please refer to the “Assessment of Academic Progress” and “Weighted Scholastic Mark and Academic Honors” sections of this *Curriculum Guide* for additional details regarding how these courses will be included in the GPA and Weighted Scholastic Mark calculations.

Generally such a course falls into one of five categories:

### **Credit Recovery Course**

In addition to the traditional summer school, a variety of methods are now available for students to recover credit for courses that they did not pass while taking them at Notre Dame Academy. Students earn credit for such courses upon successful completion and the grade for the credit recovery course will appear on a student’s transcript. However, the grade will not be included in either the student’s GPA or Weighted Scholastic Mark calculations.

### **Online Course**

Many subjects not offered in the Notre Dame Academy Curriculum Guide are now available via the Internet. Most students will encounter online courses in college. In preparation for this experience, NDA considers preparation for learning in the online environment an important part of a student’s high school studies. The 57323 Online Financial Literacy course is part of the NDA graduation requirements and will count in both the student’s GPA and Weighted Scholastic Mark calculations. Other grades for online high school coursework will be included in a student’s GPA calculation but will not be included in the Weighted Scholastic Mark calculation. GPAs for online courses normally are calculated using the Level 3, College Preparatory GPA scale. A student who takes an online course in consultation with her academic counselor to resolve a schedule conflict may request administration approval to take the course using the Level 4, Honors GPA scale or Level 5 AP and Dual Credit GPA scale depending on the nature of the online course. Online courses taken to resolve a schedule conflict in place of a NDA course that would otherwise be in the student’s schedule will be considered NDA courses and will count in both the student’s GPA and Weighted Scholastic Mark calculations.

### **Independent Study Course**

Students may request to complete coursework under the supervision of a faculty member of Notre Dame Academy. Independent study application forms can be obtained in the main school office or from one of the school counselors. Grades for independent study coursework will be issued by the faculty member and will be included in both student’s GPA and the Weighted Scholastic Mark calculation. The GPA scale to be applied to an independent study course will depend on the nature of the work involved in the course and will be agreed upon prior to the start of the work on the course.

### ***Internship***

Notre Dame Academy encourages students to obtain experience in areas of career interest through internships. Internships are student initiated as a special form of independent study that may be taken either as a pass/fail option or for a grade. Successful completion of an internship earns a half credit. Students must complete the application and approval process for an independent study course (see above). The supervising faculty member may require additional details about a specific internship. In addition, students must submit the name and contact information for a person at the agency or business where they wish to intern. Students must complete 60 contact hours and receive a satisfactory performance review to fulfill the internship. Students choosing the pass/fail option complete the internship by submitting a reflection paper on their internship experience. The pass/fail option earns the half credit but is not included in the student's GPA calculations. Students who wish to receive a grade that will be included in their GPA and Weighted Scholastic Mark calculations complete the internship by writing a research paper related to the internship experience and completing a second project. The project will be agreed upon with the supervising faculty member. The supervising faculty member may also require a reflection journal or paper. Examples of such projects might include work produced for the agency or business during the contact hours or a media production about the internship presented to fellow students.

### **College Course**

Many colleges offer opportunities for students to begin college coursework while still enrolled in high school either online or on campus. Grades for college coursework will be included in a student's GPA but will not be included in the Weighted Scholastic Mark calculation. GPAs for college courses are calculated using the Level 5, College/AP GPA scale. Students taking a typical college semester course will be awarded a half credit for such courses by Notre Dame Academy regardless of the number of credit hours awarded by the college. Students taking a companion two semester sequence of college courses (e.g. English 101 and 102) may have those college courses combined as a single one credit course on their NDA transcripts.

### **Notre Dame Academy Dual Credit Course Policy**

Notre Dame Academy partners with regional universities for dual credit courses. The Kentucky Department of Education defines dual credit as a course which allows students to earn high school credit and college credit simultaneously at a discounted rate. This course may be taught on a college campus, a high school campus, or taken online, but it must be in conjunction with a college or university and Notre Dame Academy (NDA). These courses are for students who excel academically. Students must be approved by the respective department or academic counselor to be enrolled in these courses, must meet eligibility requirements set forth by the collegiate institutions, and complete the Dual Credit Policy and Procedure Contract.

#### **Points of Consideration:**

- Dual credit courses may have additional tuition and fees including but not limited to textbook fee(s) or other additional materials required for the course.
- Dual credit courses are the start of your college transcript and the grades earned will follow you to your postsecondary institution.
- Dual credit courses will be on your high school transcript and whatever grade you earn in the dual credit course will be added to your NDA Grade Point Average.
- All Kentucky resident dual credit students taking a dual credit class through a Kentucky university have the opportunity to receive tuition reimbursement for two dual credit class (up to 6 credit hours) per year through the Dual Credit KHEAA Scholarship (more information can be found at [https://www.kheaa.com/website/kheaa/dual\\_credit?main=1](https://www.kheaa.com/website/kheaa/dual_credit?main=1)).

- Asynchronous online courses are structured so that students do not have a designated time to be logged in for lectures, meaning students taking online courses need to be disciplined with time management and need to be able to work independently.
- Students may take an online or on campus dual credit course if NDA does not offer the course in-person or if the student has successfully completed the in-person course as a prerequisite. Online or on campus dual credit courses can be considered to resolve scheduling conflicts and must be approved by an academic counselor.
- All dual credit courses are on a 5.0 weighted GPA scale for both NDA's cumulative GPA scale and KEES GPA scale.
- You must earn a C or higher in order to continue to the second semester of a course through the university. For example, you must earn a C or higher in CHE 111 offered in the fall in order to progress to CHE 113 offered in the spring. If you earn a C- in a course in the first semester, you will not be permitted to continue with the second semester class. Students will continue in the same course at NDA but will no longer be eligible for the dual credit KEES GPA bonus.
- Students must be enrolled in at least 5 in person courses at NDA per semester.

### **Dual Credit University Partners**

#### *Thomas More University: Dual Credit Courses*

In order to enroll in the TMU dual credit program, you must meet the following requirements:

- Be in good academic standing with a minimum cumulative 3.0 Unweighted GPA at the end of your Junior or Sophomore year.
- Currently enrolled as an 11th or 12th grader or enrolling as an 11th or 12th grader.
- There is not a minimum ACT requirement, however a certain score may be required for specific classes as a prerequisite.
- Students must complete the TMU Dual Credit application, disclosure form built into the application, Notre Dame Academy's Dual Credit Policy and Procedure Contract, and let Mrs. Stanley know you are enrolling so she can send in your transcripts.

The TMU dual credit application and disclosure form can be found at

<https://www.thomasmore.edu/admissions/high-school-students-dual-credit-program/>. The TMU website will have more information to make an educated decision about whether dual credit through TMU is right for you. The grading policies, tuition fees, and course catalog can be accessed through this website.

#### *Gateway Community and Technical College: Dual Credit Courses*

In order to enroll in the Gateway Community and Technical College Dual Credit Program, you must meet the following requirements:

- Be in good academic standing at the end of your Junior year or at the end of your Sophomore year with a minimum cumulative 2.0 Unweighted GPA for a Technical Course, 2.5 Unweighted GPA for a General Education Courses with no placement, 3.0 Unweighted GPA for a College Ready course, and a 3.2 Unweighted GPA for College Ready Algebra.
- Currently enrolled as an 11th or 12th grader or enrolling as an 11th or 12th grader.
- There is not a minimum ACT requirement, however a certain score may be required for specific classes.
- Students must complete the Gateway Community and Technical College Dual Credit application, disclosure form, Notre Dame Academy's Dual Credit Policy and Procedure Contract, and let Mrs. Stanley know you are enrolling so she can send your transcripts.

The Dual Credit Gateway application and disclosure form can be found at <https://gateway.kctcs.edu/dual-credit/index.aspx>. The Gateway Community and Technical College dual credit website will have more information to make an educated decision about whether dual credit through Gateway is right for you. The grading policies, tuition fees, and course catalog can be accessed through this website.

#### *Northern Kentucky University: School-Based Scholars Program*

In order to enroll in the NKU Schools Based Scholars (SBS) Program, you must meet the following requirements:

- Be in good academic standing with a minimum cumulative 3.0 Unweighted GPA at the end of your Junior or Sophomore year.
- Currently enrolled as an 11th or 12th grader or enrolling as an 11th or 12th grader.
- Meet any pre-requisite requirements for individual courses. Math and Sciences courses typically require specific ACT minimum subscores. Any requirements that high schools set in addition to the SBS program's requirements will be honored.
- Students must complete the NKU SBS application, disclosure form, Notre Dame Academy's Dual Credit Policy and Procedure Contract, and let Mrs. Stanley know you are enrolling so she can send your transcripts.

The SBS application and disclosure form can be found at

<https://inside.nku.edu/schoolbasedscholars/admissions.html>. The SBS website will have more information to make an educated decision about whether dual credit through NKU is right for you. The grading policies, tuition fees, and course catalog can be accessed through this website.

#### *University of Cincinnati: Dual Credit Courses*

In order to enroll in the University of Cincinnati Dual Enrollment Program, you must meet the following requirements:

- Students must meet one of the following criteria to be considered to take courses on campus or online with a UC faculty member.
  - 3.0 unweighted high school GPA
  - 2.75-2.99 unweighted high school GPA and
    - "B" grade or better in a least one high school English course and
    - "B" grade or better in a least one high school math course
  - ACT (18 ENGL/22 MATH) or SAT (480 EBRW/530 MATH)
- Students must meet one of the following criteria to be considered to take Dual Enrollment courses in their high school (only for high schools with which UC has a partnership).
  - 3.0 unweighted high school GPA
  - 2.75-2.99 unweighted high school GPA and
    - "B" grade or better in a relevant high school course
  - ACT (18 ENGL/22 MATH) or SAT (480 EBRW/530 MATH)
- Currently enrolled as an 11th or 12th grader or enrolling as an 11th or 12th grader.
- Students must complete the University of Cincinnati Dual Enrollment application, disclosure form, Notre Dame Academy's Dual Credit Policy and Procedure Contract, and let Mrs. Stanley know you are enrolling so she can send your transcripts. This application and paperwork must be completed in partnership with Mrs. Stanley.

The University of Cincinnati Dual Enrollment application and disclosure form can be found at

<https://www.uc.edu/aas/ccp/requirements.html>. The University of Cincinnati dual enrollment website will have more information to make an educated decision about whether dual credit through UC is right for you. The grading policies, tuition fees, and course catalog can be accessed through this website. Please keep in mind that students taking dual enrollment courses taken through UC will not be eligible for the KHEAA Dual Credit Scholarship.



NOTRE DAME ACADEMY

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*Educating Young Women to Make a Difference*

**Notre Dame Academy's Dual Credit Policy and Procedure Contract**

I have read and understood the Notre Dame Academy Dual Credit Course Policy.

I have watched the Dual Credit Counseling video released by KHEAA and understand the information it contains.

I understand that the student's grade they receive in this dual credit course will be the start of their college transcript and college Grade Point Average.

I understand that the student's grade they receive in this dual credit course will be on their Notre Dame Academy transcript and will count towards their Notre Dame Academy Grade Point Average.

I understand that tuition for dual credit courses at TMU, NKU, or Gateway must be paid upfront (at a rate of \$95 per credit hour), then if the student qualifies for the Dual Credit Scholarship, tuition will be reimbursed.

I understand that courses offered through University of Cincinnati cost \$125 per semester credit hour and that students will not be eligible for the Dual Credit Scholarship.

I understand that students cannot drop this course after registering for it or there may be penalty fees associated with the withdrawal.

I understand that if a student is taking an online, independent study dual credit course that it will not count toward Weighted Scholastic Mark which reflects the degree of difficulty of the course and is used in determining various academic honors at Notre Dame Academy.

I understand that transferability of dual credit classes is not guaranteed. The student's major, institution, and program in college will impact the transferability of credits.

If you are utilizing the discounted tuition rate and/or utilizing the Dual Credit Scholarship, the final grade you earn in the class will appear on your transcript.

Notre Dame Academy has the right to deny a dual credit course to any student with attendance or discipline issues.

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Student Signature

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Date

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Parent/Guardian Signature

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Date

## **OVERVIEW OF COURSE OFFERINGS BY YEAR**

### **FRESHMEN**

Freshmen are first year students who apply and are accepted for high school courses. Notre Dame Academy may accept a student younger than 9<sup>th</sup> grade age after consultation with her parent/guardian(s) and her elementary school teachers. Because students enter Notre Dame Academy from many different grade schools, each with their own unique academic programs, placement in freshmen classes is made based on a number of factors. These include: entrance test scores, other standardized tests taken during grade school, recommendations made by the student’s grade school teachers, and interviews with the student and her parent/guardian(s). Students placed in the Algebra 2-Honors or Language 2-Honors classes must have department approval and have passed a qualifying test given in the spring prior to beginning their freshmen year in the fall. Students who completed the NDA/CCH 1214 Algebra 1 Grade 8-Honors course with a minimum grade of 82 may enroll in Algebra 2-Honors as freshmen. They are not eligible to take the Algebra 2 Honors qualifying test. Please see the course description for 1214 Algebra 1 Grade 8-Honors in the Math department listings for more details.

**The normal course load for freshmen is seven credits.**

<b><i>COURSE</i></b>	<b><i>CREDITS</i></b>	<b><i>COURSE</i></b>	<b><i>CREDITS</i></b>
Religion: Faith And Revelation .....	1	Science .....	1
An Introduction To Scripture (1/2 credit)		Biology-Honors (level 4) or	
and		Biology (level 3)	
Who Is Christ? (1/2 credit)		Health.....	1/2
Business and Technology .....	1/2	Physical Education.....	1/2
Technology And Communication			
English .....	1		
English 1-Honors (level 4) or			
English 1 (level 3)			
History And Social Studies.....	1 or 1/2		
AP Human Geography (1 credit)			
World Geography (1/2 credit)			
World Language or .....	1		
Academic Foundations or Art 1			
(All Language 1 courses are level 3.			
Language 2 courses are offered at the			
honors level 4)			
French 1, French 2-Honors or			
Latin 1, Latin 2-Honors or			
Spanish 1, Spanish 2-Honors or			
Mathematics.....	1		
Algebra 2-Honors (Level 4) or			
Algebra 1-Honors (Level 4) or			
Algebra 1 (Level 3)			

  

***Before/After School Electives***

Fine Arts	
Band .....	1/2
Chorus .....	1/2
History and Social Studies	
Law And Justice .....	1
Science	
Science Research-Honors.....	1/2

  

***Summer Electives***

<b><i>COURSE</i></b>	<b><i>CREDITS</i></b>
Fine Arts	
Studio Art .....	1/2

## ***SOPHOMORES***

Sophomores are students who have earned from seven to fourteen credits.

**The normal course load for sophomores is seven credits.**

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Religion.....	1
The Mission Of Christ (1/2 credit) and Christ And The Church (1/2 credit)	
English .....	1
AP Seminar-English (upon approval) or American Literature (level 3)	
Fine Arts.....	1
Art 1, or Art 2 or Commercial Art And Design or History Of Rock And Roll	
Counseling and Student Services	
Academic Strategies ..... 1 <i>(This course may be required for some students.)</i>	
History and Social Studies .....	1
AP World History (upon approval) or World Civilizations-Honors (level 4) or World Civilizations (level 3)	
Language.....	1
<i>(Typically students choose the language that continues from their freshman year of study. All Language 1 courses are level 3. Language 2 and 3 courses may be offered at either honors level 4 or level 3)</i>	
French 1, French 2, French 3 or Latin 1, Latin 2, Latin 3 or Spanish 1, Spanish 2, Spanish 3	
Mathematics.....	1
Geometry-Honors (level 4) or Geometry (level 3) or AP Statistics (upon approval) <i>(The Mathematics department typically will invite some students who showed exceptional ability in Algebra 1 to take two mathematics courses their sophomore year. Students who do so take Geometry- Honors and Algebra 2-Honors and postpone their Arts credit until a later year.)</i>	
Science .....	1
Chemistry-Honors (level 4) or Chemistry (level 3)	

### **HALF CREDIT ELECTIVES**

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Fine Arts	
Piano Lab..... 1/2	
Piano Lab 2..... 1/2	

### ***Before/After School Electives***

Fine Arts	
Band..... 1/2	
Chorus ..... 1/2	
<i>(Sophomores who completed Band or Chorus as freshmen and who sign up for Band as sophomores will have fulfilled their fine arts requirement. Sophomores taking Band or Chorus for the first time will need to take it again as juniors or seniors to fulfill the fine arts graduation requirement. They may elect to add, Art 1, Commercial Art and Design, or History of Rock and Roll during the school day. Or, they may consult with their academic counselor about choosing either a junior elective or a study hall.)</i>	

History and Social Studies	
Law And Justice ..... 1	
Science	
Science Research-Honors ..... 1/2	

### ***Summer Electives***

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Fine Arts	
Studio Art ..... 1/2	

## ***JUNIORS***

Juniors are students who have earned from fourteen to twenty credits.

**The normal course load for juniors is six and a half credits ( 1/2 credit is online)  
due to the time required for the junior religion program.**

### **• Required—Five and a Half Credits•**

<sup>1</sup> Three credits of science are required for graduation. One of the science credits must be a lab science; credits must include both a life science and a physical science. The majority of students choose to complete those requirements in the junior year. However, the third science credit may be postponed until the senior year to allow more flexibility in the junior year for choosing electives. Students considering postponing their science credits must consult with their academic counselor. Choosing extra electives as a junior may limit a student's options to schedule their electives as a senior. Online Financial Literacy is required either during the junior or senior year outside of the normal class periods and would not interfere with other elective options.

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Religion.....	1
Catholic Social Teaching (1/2 credit) and Christ And The Sacraments (1/2 credit)	
Business and Technology .....	1/2
Online Financial Literacy (1/2 credit)	
English .....	1
AP English Literature and Composition (upon approval) or British Literature-Honors (level 4) or British Literature (level 3)	
History and Social Studies .....	1
AP U.S. History (upon approval) or U.S. History-Honors (level 4) or U.S. History (level 3)	

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Mathematics.....	1
Algebra 2-Honors (level 4) or Algebra 2 (level 3) AP Precalculus AP Statistics	
Science .....	1
AP Biology (upon approval) or DC Chemistry (upon approval) or AP Computer Science Principles (upon approval) or DC Physics 1 PHY121(upon approval) or Physics-Honors (level 4) or Physics (level 3)	

### **• Elective—One Credit •**

#### ***One Credit Electives***

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Business and Technology	
Publications 1-Honors (level 4) or Publications 1 (level 3).....	1
Fine Arts	
Art 1, Art 2 or Art 3 or .....	1
Commercial Art and Design or History of Rock and Roll .....	1
History and Social Studies	
AP Psychology (upon approval).....	1

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Language.....	1
<i>(Choose one. All Language 1 courses are level 3. Language 2, 3, and 4 are offered at levels 5, 4 or 3.)</i>	
French 1, French 2, French 3, French 4 or Latin 1, Latin 2, Latin 3, Latin 4 or Spanish 1, Spanish 2, Spanish 3, Spanish 4, DC Spanish 4 (upon approval) 4	



**JUNIORS**  
**(CONTINUED)**

***Half Credit Electives***

<b><i>COURSE</i></b>	<b><i>CREDITS</i></b>	<b><i>COURSE</i></b>	<b><i>CREDITS</i></b>
Fine Arts		Counseling and Student Services	
Piano Lab.....	1/2	Peer Mentoring.....	1/2
Piano Lab 2 .....	1/2	Support Strategies .....	1/2
Textiles .....	1/2	Science	
Textiles 2 .....	1/2	Computer Science Principles- .....	1/2
		Honors	
		Engineering Foundations-Honors.....	1/2
		Engineering Foundations-Honors S2	1/2
		DC Engineering Foundations .....	1/2
		(upon approval)	

***Before/After School Electives***

<b><i>COURSE</i></b>	<b><i>CREDITS</i></b>
Fine Arts	
Band (level 3) or	
Band-Honors (level 4).....	1/2
Chorus (level 3) or	
Choir-Honors (level 4) .....	1/2
History and Social Studies	
Law And Justice .....	1
Science	
Science Research-Honors.....	1/2

***Summer Electives***

<b><i>COURSE</i></b>	<b><i>CREDITS</i></b>
Fine Arts	
Studio Art .....	1/2

## **SENIORS**

Seniors are students who have earned twenty or more credits.

**The normal course load for seniors is six credits.**

**All seniors are required to take a minimum of five credits and must be enrolled in a minimum of five classes each semester.**

### **• Required—Three to Four Credits •**

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>	<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Religion .....	1	History and Social Studies .....	1/2
Moral Living In Christ (1/2 credit) and Vocations (1/2 credit)		AP European History .....	1
English.....	1	(upon approval) or	
AP English Language and Composition (upon approval) by itself or		<i>(The half credit may be fulfilled using one         of the half-credit electives listed below.)</i>	
Research Writing-Honors .....	1/2	Mathematics	
or		AP Calculus AB (upon approval) or	
Research Writing		AP Precalculus or	
together with <b>one</b> of the following		AP Statistics or	
1/2 credit options based on your		Calculus-Honors or	
interest:		Precalculus or	
DC Public Speaking-		Statistics And Probability .....	1
Com 105 or .....	1/2	Business and Technology	
Modern Literature or		Online Financial Literacy .....	1/2
Women In Literature		(if not already completed)	

### **• Electives—Two to Three Credits •**

#### ***One Credit Electives***

<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>	<i><b>COURSE</b></i>	<i><b>CREDITS</b></i>
Business and Technology		French 2, 3, 4 (level 4 or 3) or	
Publications 1-Honors (level 4) or		DC Latin 4 (upon approval),	
Publications 1 (level 3) or		Latin 2, 3, 4 (Level 5, 4 or 3) or	
Publications 2-Honors (level 4) .....	1	AP Spanish (upon approval), or	
Fine Arts		DC Spanish 4 (upon approval),	
Art 1, 2, 3, Art 4-Honors or		Spanish 2, 3, 4 (level 4 or 3) .....	1
AP Studio Art (upon approval) or		Science	
Commercial Art And Design or		AP Biology (upon approval) or	
History of Rock and Roll .....	1	DC Chemistry (upon approval) or	
History and Social Studies		AP Computer Science Principles (upon approval) or	
AP Psychology .....	1	DC Physics 1 PHY121 or DC Physics 2 PHY122 (upon approval) or	
Language		Physics-Honors (level 4) or	
AP French (upon approval),		Physics (level 3)	
		Human Anatomy And Physiology (level 4 or 3) .....	1

**SENIORS**  
**(CONTINUED)**

***Half Credit Electives***

<b>COURSE</b>	<b>CREDITS</b>
Business and Technology	
Publications Production.....	1/2
English	
<i>(Seniors may also select an elective(s) from among the options paired with the required Research Writing.)</i>	
Fine Arts	
Piano Lab .....	1/2
Piano Lab 2.....	1/2
Textiles .....	1/2
Textiles 2 .....	1/2
Counseling and Student Services	
DC Education 101 .....	1/2
Peer Mentoring.....	1/2
Senior Success Strategies .....	1/2

<b>COURSE</b>	<b>CREDITS</b>
History and Social Studies	
Current Issues .....	1/2
Economics Honors .....	1/2
Government.....	1/2
Women in America .....	1/2
Science	
AP Environmental Science.....	1/2
(upon approval)	
Computer Science Principles .....	1/2
Honors	
DC Engineering Foundations) .....	1/2
(upon approval)	
Engineering Foundations Honors.....	1/2
Engineering Foundations Honors S2	1/2
Environmental Science Honors.....	1/2
Marine Biology.....	1/2

***Before/After School Electives***

Fine Arts	
Band (Level 4 or 3) .....	1/2
Chorus or Choir-Honors.....	1/2
History and Social Studies	
Law And Justice .....	1
Science	
Science Research-Honors.....	1/2

***Summer Electives***

<b>COURSE</b>	<b>CREDITS</b>
Fine Arts	
Studio Art .....	1/2

## ***COURSE OFFERINGS BY DEPARTMENT***

The core program required of each student and the electives offered on the various grade levels are listed below. It is recommended that a student become familiar with all the courses offered and plan her course of study based on her area of interest after high school. Also, she should familiarize herself with college requirements in the field of her choice. Students should seriously consider their course selections. Student course selections may not be changed after May 17<sup>th</sup> as class offerings and staffing decisions will have been made. Once a student begins a class she is expected to complete it.

Occasionally courses in this *Curriculum Guide* are accompanied by two different course numbers. These numbers exist for scheduling purposes. The courses in each of these cases are taught on the same level with comparable content regardless of which particular course number is assigned to the student.

### ***BUSINESS-TECHNOLOGY DEPARTMENT***

(A half credit in Technology And Communication is required)

Technology is multidisciplinary by its nature and offers digital tools in every department. In efforts to foster best practice teaching and learning, our goal is to weave technology tools and applications seamlessly in and out of courses, rather than teach isolated skills. This authentic approach allows teachers to provide students with the skills necessary for success in college and beyond. Learners take ownership of their learning by actively participating in the process with their teachers through the use ubiquitous technology. This approach to teaching and learning allows students to be imparted with the skills of learning to efficiently access, navigate, explore, apply, and synthesize information in our vast digital world.

#### ***Department Learner Goals: (ISTE Standards)***

Students will develop skills in the following 6 categories:

- creativity and innovation
- communication and collaboration
- research and information fluency
- critical thinking, problem solving, and decision making
- digital citizenship
- technology operations and concepts

**17133 TECHNOLOGY AND - .....Grade 9.....Level 3— $\frac{1}{2}$  Credit  
COMMUNICATION**

Prerequisite: None

Technology And Communication is a required course for freshmen. The main goal of this course is to teach effective verbal, written, and visual communication skills utilizing technology. Students are introduced to the Google platform and cloud computing. Students learn about the various technology resources available at Notre Dame Academy and are taught how to use the library to conduct research. The course covers keyboarding skills, word processing and spreadsheet applications. Instruction includes the creation of multimedia presentations by using software applications programs to supplement the lessons. Presentation skills are a major component of the course. Students will utilize a variety of applications geared to the specific project. Students learn to use technology to support collaboration and to demonstrate learning. Students will practice good digital citizenship and learn safe use of the Internet.

**3784 PUBLICATIONS 1 HONORS.....Grades 11, 12 .....Level 4—1 Credit**

Prerequisite: 1733 Technology and Communication

This elective course provides formal journalism and publications training while producing various printed and digital communications for Notre Dame Academy. Students will learn best practices in reporting, writing, editing, design and production. Since variations of writing style are fundamental to publishing, solid writing skills are valuable, and students will work to improve those skills. This laboratory course is built on the use of various software programs in the publication process. This course will be responsible primarily for producing the NDA newspaper, *The Gavel*, and the yearbook, *Tapestry*, as well as specialty publications. Students at the honors level will be expected to initiate and produce more story ideas, as well as to write and maintain a blog.

**3793 PUBLICATIONS 1 .....Grades 11, 12 .....Level 3—1 Credit**

Prerequisite: 1733 Technology and Communication

The purpose of this elective course is to provide formal journalism and other publications training while producing various printed communications for Notre Dame Academy. Students will learn best practices in reporting, writing, editing, design and production. This laboratory course is built on the use of various software programs in the publication process. Since variations of writing style are fundamental to publishing, above-average writing skills are valuable. This course will be responsible primarily for producing the NDA newspaper, *The Gavel*, and the yearbook, *Tapestry*, as well as specialty publications as required.

**4784 PUBLICATIONS PRODUCTION- Grades 12 Level 4— $\frac{1}{2}$  Credit  
HONORS**

Prerequisite: 3793 Publications 1

Publications Production is a one semester course designed for seniors who have taken 3793 Publications 1 and have an interest in continuing with their study of the publications process, but are unable to fit the year-long Publications 2 Honors course into their schedule. Students may request Publications Production for either the first or second semester. The course follows the content for Publications 2-Honors for the chosen semester.

**4794 PUBLICATIONS 2-HONORS .....Grade 12.....Level 4—1 Credit**

Prerequisite: 3793 Publications 1

As second-year members of the Publications class, students participate in the regular production of school periodicals as a specific mode of written expression that demonstrates an advanced knowledge of the software and sense of responsibility as spokeswomen for Notre Dame Academy. The course emphasizes cooperative learning and collaborative effort, including the ability to plan and carry out the regular publication of a newspaper and yearbook. Decision-making and working toward a common goal following the total writing process from brainstorming through drafting, editing and revising, to actual publication are vital elements at this level. Publications 2 students assume leadership positions as they help initiate first year students into the publication process.

**57323 ONLINE PERSONAL FINANCE .....Grades 11, 12 ..... Level 3—<sup>1</sup>/<sub>2</sub> Credit**

Prerequisite: None

This required course is designed to educate students in money management for personal finances. The goal is financial literacy in money, budgeting, banking, saving and investing, credit and debt, insurance, consumer protection, taxes, financial planning and charitable giving. This course will also teach students to identify and prioritize their personal money management goals, develop personal spending and savings plans, comprehend the impact of time on the value of money, and understand the cost of using credit. Through real-life scenarios and hands-on activities, the course explores choosing among banking and investment options, shopping for an auto loan, choosing among career and college choices, planning for retirement, and creating and living within a budget. This course is offered in the summer and during the year as availability of licenses allows. Students must complete this course during their junior or senior years. This course is also designed to expose students to an online course in preparation for taking online courses in college or in the workplace. It is a self-paced course and must be completed in the designated time period. Students need to be self-motivated and use good time management skills to complete the course during the assigned term. Since this is an online option for a required class, this course will be an exception to the online course policy and will be included in both the student's GPA and weighted scholastic mark.

## ***COUNSELING AND STUDENT SERVICES DEPARTMENT***

(Credit requirement varies depending on placement.)

The Counseling And Student Services Department exists to provide academic, social, physical, emotional and vocational support to all students. The department collaborates with faculty and parents to address student needs and adolescent issues. Several opportunities for career exploration are provided over the four years. A Mentor Program is available to students who require additional support in any academic area. A resource teacher assists students with special academic needs.

### ***Department Learner Goals:***

Students will:

- Be able to learn effective study skills and various methods to assist the student in being organized and prepared for various high school courses.
- Explore test-taking strategies to help the student excel when taking an essay, multiple choice or short answer tests.
- Have lessons taught primarily in the English and Math courses reinforced and possible pre-teaching may occur to ensure that the student is able to effectively learn the material.
- Be taught to write a five-paragraph essay using various topics and research methods.
- Expand their vocabulary and increase their reading comprehension.
- Be empowered to take greater ownership of their education and seek out resources within the school and community.

### **18413 ACADEMIC FOUNDATIONS .....Grade 9.....Level 3—1 Credit**

Prerequisite: Recommendation of previous school or parent and department approval

This course is offered to entering freshmen who have been selected to postpone their study of a foreign language in order to establish the skills needed to succeed in a college preparatory curriculum. The focus of the course is to reinforce skills applicable to all disciplines in all academic curricular areas. A strong emphasis will be placed on learning styles, applying critical reading strategies, and learning problem-solving skills.

### **2813 ACADEMIC STRATEGIES.....Grades 10.....Level 3—1 Credit**

Prerequisite: Department approval.

This course is designed for students who may need extra help to have a successful start to the school year. Topics of the course include: time management, test taking preparation and strategies, study techniques, critical thinking in literature, vocabulary expansion, grammar review, reading comprehension and mathematical problem-solving and reasoning skills. Enrollment in this course will result in the postponement of a first year of a language or a fine arts credit for sophomores. Some students may be required to take this course upon recommendation of the Counseling and Student Services department.

**3833 SUPPORT STRATEGIES.....Grade 11.....Level 3—1/2 Credit**

Prerequisite: 2813 Academic Strategies or department approval

This course will be held on Monday, Wednesday, and Fridays in place of study halls that are normally scheduled in conjunction with the Catholic Social Teaching class. Topics of the course include: time management, test taking preparation and strategies, study techniques, critical thinking in literature, vocabulary expansion, and reading comprehension. Some students may be required to take this course upon recommendation of the Counseling and Student Services department.

**4823 PEER MENTORING.....Grades 11, 12.....Level 3—1/2 Credit**

Prerequisite: Department approval

This course will allow students that are interested in mentoring and tutoring to use their knowledge and skills to assist other students in the school. Students in this class need to be reliable and have excellent leadership and organizational skills. This half credit course will require some classwork be done outside of the regular school hours. The student will require at least 60 contact hours of actual tutoring or work related to tutoring. Students will be required to meet with an Academic Counselor monthly, submit a quarterly log of hours and completion of a project each semester. This course is taught as a Pass/Fail course and is not included in the weighted scholastic mark or grade point average.

**48315 DC EDUCATION 101 .....Grade 12.....Level 5—1/2 Credit**

Prerequisite: Department approval. (Please note: As there is no related course leading into DC Education providing an opportunity for prior teacher approval, students interested in this course will be allowed to sign up for this course in PowerSchool as an elective. Space in this course is limited. The department will review and contact students who request the course to discuss final approval for the course.)

This course provides students with an introduction to the teaching profession as a dual credit course through Thomas More University. This course is designed to build fundamental knowledge through readings, coursework, writings, observations, and reflections of a) what it means to be a teacher and a learner, and b) if teaching is the right career path for them. Topics and activities are inclusive of but not limited to: the teaching profession, student diversity, educational history, educational philosophy, finances, and ethics; field observations and reflections at the elementary, middle, and secondary level. Students will draw on course readings, students' own experiences as learners, clinical work, and class discussions and activities to develop an understanding of the social contexts of contemporary schooling. Each week is organized to consider educational issues from both a theoretical perspective, and from the realities of educational practice in schools. In addition, the class will model various pedagogical strategies; and these experiential exercises will provide for an examination of teaching and learning.



**4863 SENIOR SUCCESS STRATEGIES.....Grade 12.....Level 3—1/2 Credit**

Prerequisite: Department approval

This course will be held on Monday, Wednesday, and Fridays for a full year 1/2 credit. Topics of the course include: time management, test taking preparation and strategies, study techniques, critical thinking in literature, research and writing strategies, and college preparation. Some students may be required to take this course upon recommendation of the Counseling and Student Services department.

## ***ENGLISH DEPARTMENT***

(Four credits of English are required.)

The English Department offers an extensive program to help students become proficient in the use of the English language. The texts and themes chosen give the students an opportunity to share a variety of human experiences, develop their outlook and cultural standards, and help their appreciation of literature and perhaps contribute to it by their own writing. Considerable emphasis is placed on the development of English language skills, including grammar, usage, vocabulary, composition and research. Essays, based on various modes of discourse, poems, plays and short stories are part of the writing process and genre studied. Particular emphasis is placed on critical thinking skills as they apply to problem solving and taking standardized tests. All English courses are values-based, helping student readers to recognize and empathize with the human condition as encountered in literature.

### ***Department Learner Goals:***

Students will:

- Practice tolerance by participating in a values-based curriculum as an opportunity for spiritual growth, responsible leadership and community service.
- Practice the process of writing, particularly formal essay writing. They will participate in small group activities and learn to manage class workload and meet deadlines as they work toward a common goal.
- Demonstrate the ability to find relevance between events in literature and current events.
- Learn the modes of discourse and demonstrate awareness of both purpose and intended audience. In addition, they will demonstrate mastery of outlining skills.
- Demonstrate proficiency in the use of media resources. This will include conscientious use of the Internet for research, an understanding of what constitutes plagiarism as enhanced by the use of Turnitin.com, how to evaluate resources, effective and appropriate use of presentation software, and word processing skills as applied to writing as a process.
- Demonstrate awareness of social, cultural, religious, ethnic and economic issues by studying British, women's, world, and American literature and their respective canons.
- Foster their own lifelong love of learning and awareness of the value of self-expression through creative writing, the study of poetry and film, integration of the other arts with literature, grammar, vocabulary development, completion of summer reading assignments, and cross-curricular topic discussions.
- Employ critical thinking skills as well as reflect on and evaluate information in order to achieve a healthy balance in their personal lives. Journaling and writing to prompts, attending cultural events and outreach activities will nurture lifelong readership.

**11404 ENGLISH 1-HONORS** .....Grade 9.....Level 4—1 Credit

Prerequisite: Completion of the assigned summer readings

This course follows the course summary for 1113,1123 English 1, with additional emphasis upon reading, class discussion and writing.

**11413, 11423 ENGLISH 1** .....Grade 9.....Level 3—1 Credit

Prerequisite: Completion of the assigned summer readings

This course focuses on the various literary genres, using an anthology, with a corresponding study of the vocabulary pertinent to selections read. The literature is supplemented with writing, including paragraph practice, two essays per quarter, and creative responses to literature. Annually selected supplementary readings are required. Reading comprehension, class discussion skills and college-preparatory composition comprise the balance of coursework.

**21405 AP SEMINAR-ENGLISH** .....Grade 10.....Level 4—1 Credit

Prerequisite: Completion of 11404 English 1 Honors or 11413/11423 English 1 with above average scores and department approval.

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas. Students are expected to take the AP Exam at the conclusion of the course.

**2133 AMERICAN LITERATURE** .....Grade 10.....Level 3—1 Credit

Prerequisite: Completion of the assigned summer readings, 1104/1113/1123 English 1

This survey of American literature traces its development from the Native Americans to present time. Students use an anthology and outside readings for an understanding of American literary traditions. The student sharpens reading and writing skills to prepare her for advanced study and writes two full-length essays per quarter.

**31405 AP ENGLISH-.....Grade 11.....Level 5—1 Credit**  
**LITERATURE AND COMPOSITION**

Prerequisite: Completion of the assigned summer readings, 2104 English 2, department approval of self-nomination with sophomore English teacher's signature and parent signature

The Junior Advanced Placement course is for the student with above average reading and writing skills generally expected in introductory college courses in composition and literature. Students will study selections from British and Western literature in the context of their origins. Each unit profiles the literary and cultural aspects of particular eras, ranging from early Greek to modern times. Both the anthology and supplementary texts are used. Research is a critical part of the course work, as is style analysis, focused discussion and regular timed in-class essay writing. The Advanced Placement Test in Literature and Composition for college credits is optional but strongly encouraged.

**3124 BRITISH LITERATURE-HONORS.....Grade 11 .....Level 4—1 Credit**

Prerequisite: Completion of the assigned summer readings, 2114 American Literature Honors or 2133 American Literature with above average scores

This course follows the course summary for 3143 British Literature, with additional emphasis upon reading, class discussion and writing. Critical thinking and advanced analysis of literature are stressed in this course.

**3143 BRITISH LITERATURE .....Grade 11 .....Level 3—1 Credit**

Prerequisite: Completion of the assigned summer readings, 2114 American Literature Honors or 2133 American Literature

The four quarters present a survey of the major writers of British literature from the Anglo-Saxon period up to and including the twenty-first century as part of a comprehensive list of writers studied. Chaucer, Shakespeare, Milton, Pope, Shaw, Eliot, and Joyce are some of the contributors to the canon of British literary heritage. The wealth of literary genius that formed and developed British and American English is approached in relationship to contemporary times. Selected classics are integrated into each quarter's coursework. Since this course offers the traditional literary survey background for college-bound students, it includes critical analysis, essay writing, outside reading, and research skills. Two essays are required per quarter.

**41405 AP ENGLISH-.....Grade 12.....Level 5—1 Credit**  
**LANGUAGE AND COMPOSITION**

Prerequisite: Completion of the assigned summer readings, 34105 AP English Literature and Composition or 3114 American Literature and department approval

The senior Advanced Placement course is for the student with above average reading and writing skills generally expected in introductory college courses in composition and literature. AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. The Advanced Placement Test in Language and Composition for college credits is optional but strongly encouraged.

**41104 RESEARCH WRITING HONORS.....Grade 12.....Level 4—<sup>1</sup>/<sub>2</sub> Credit**

Prerequisite: 3155 AP English Language, 3124 British Literature Honors or 3143 British Literature with above average scores

This course follows the course summary for 41103 Research Writing. The honors level course places additional emphasis upon research, writing and presentation skills. It will have higher expectations for critical thinking and advanced analysis of rhetorical strategies.

**41103 RESEARCH WRITING.....Grade 12.....Level 3—<sup>1</sup>/<sub>2</sub> Credit**

Prerequisite: None

This semester long course will focus on preparing the 12<sup>th</sup> grade student for writing at the college level and/or in the professional world. The course work will center on a full-length research paper, exposing the students to the conventions of both researching and composing longer academic papers. Focus will be on up-to-date research, writing and citation methods utilizing the MLA research format. Students will learn strategies for organizing a writing project and will hone critical thinking and reading skills. A hallmark of the course will be attention to writing processes as well as products. Other course writing may include college entrance and scholarship essays. Students will also learn and apply rhetorical strategies.

**41205 DC PUBLIC SPEAKING- .....Grade 12.....Level 5—<sup>1</sup>/<sub>2</sub> Credit**

**COM105**

Prerequisite: None

DC Public Speaking is an introductory course in the fundamentals of public speaking offered as a dual credit course through Thomas More University. The course includes a theoretical approach to the analysis, organization, and delivery of various speeches. Other topics will include effective presentation and public and mass media levels.

**41223 MODERN LITERATURE.....Grade 12.....Level 3—<sup>1</sup>/<sub>2</sub> Credit**

Prerequisite: None

Modern Literature is a senior level course that explores the literature of the twentieth century to the present. Students will become knowledgeable about literature that reflects the world in which they live through familiarization with a selection of fiction, nonfiction, drama, and/or poetry of the period. Students will examine the texts through literary criticism, literary theory, and nonfiction texts. Students will sharpen analysis and critical thinking skills and will use these skills in writing for various purposes and audiences.

**41243 WOMEN IN LITERATURE—.....Grade 12.....Level 4—<sup>1</sup>/<sub>2</sub> Credit**

Prerequisite: None

Women in Literature is a senior-level course for students who want to read compelling literature that focuses on the experiences of girls and women. Students will examine historical and contemporary novels, short stories, and poetry that express female voices from various cultures and social backgrounds. Students will develop reading and writing skills, participate in class discussions, and prepare topics for presentation.

# ***FINE ARTS DEPARTMENT***

(One credit in Fine Arts is required.)

## ***Department Learner Goals:***

Students will:

- Recognize that all talents are gifts from God and should be shared with the greater community.
- Work on individual and group projects pertaining to the various fine arts disciplines.
- Serve the community through performances and exhibitions.
- Adhere to the NDA standard of excellence in their artistic pursuits.
- Learn to appreciate artistic expressions of peoples from different time periods and cultures.
- Develop an appreciation of the Arts and Humanities in order to foster a lifelong love of learning and an awareness of the value of self-expression.

## **Art**

The Art program offers a variety of courses designed to develop the creativity of the student through training in the basic skills and in experiencing the use of a variety of art media. Various artists, styles and cultures will be studied.

### **2603 ART 1 .....Grades 9, 10, 11, 12 .....Level 3—1 Credit**

Prerequisite: None

This course aims to free the student from inhibitions, to develop a capacity for understanding and then respond through creative expression that includes drawing, painting, sculpture and mixed media. The comparative study of Art History is the general background for this study. Basic technical skills and art theory will be introduced as a foundation on this level. Students collect their artwork to begin a portfolio.

### **26413 COMMERCIAL ART AND DESIGN..Grades 10, 11, 12 .....Level 3—1 Credit**

Prerequisite: Successful completion of 2603 Art 1

This course introduces the core elements of art and principles of design used in the field of advertising and commercial art. Working individually and in groups, students will gain hands-on experience in generating a range of materials, such as advertisements, commercial art, logos, executing layouts, illustrations, displays, and lettering. They will explore a variety of media, techniques, and processes while learning to identify target audiences, empathize with user needs, and generate innovative solutions. The course emphasizes the design thinking process, guiding students through idea generation, prototyping, and testing their designs. Students will develop a strong foundation in Adobe Creative Suite and refine their skills through constructive critiques of their own work, that of their peers, and the work of professional designers.

**3613 ART 2** .....Grades 10, 11, 12 .....Level 3—1 Credit

Prerequisite: Successful completion of 2603 Art 1

This course aims to further develop the capacity for understanding conceptual art through creative problem solving and development of personal interests. Advanced projects in drawing, design and sculpture challenge students to experiment in two-dimensional and three-dimensional work in a variety of media and subjects. Topics may include, but are not limited to printmaking, painting, pastel drawings and sculpture. Students are required to keep a sketchbook and maintain a portfolio.

**3643 STUDIO ART** .....Grades 9, 10, 11, 12 ... Level 3— $\frac{1}{2}$  Credit

Prerequisite: Successful completion of 2603 Art 1 and/or department approval.

This course is offered only in the summer provided there is sufficient enrollment. The course builds on development gained from Art 1. Students will be introduced to new media, work on creating concepts, and start building a portfolio. Students may take this course multiple times.

**4603 ART 3** .....Grade 11, 12 .....Level 3—1 Credit

Prerequisite: Successful completion of 3613 Art 2

In this course the students will continue to work in a variety of media that include exploration of new techniques and greater demonstration of skills. Topics may include, but are not limited to, previous studies such as watercolor, acrylic, and sculpture. Emphasis will be placed on contemporary approaches to self-expression in developing an independent and personal style. Students will be challenged at a higher level of evaluation. Sketchbooks will exhibit both observation and reflection entries. A portfolio of work representing the three years of art is required for students pursuing a career in an art field.

**4634 ART 4 HONORS** .....Grade 12 .....Level 4—1 Credit

Prerequisite: Successful completion of 3613 Art 2

This is an immersive high school course that explores the creative possibilities of 3D construction through hands-on projects and advanced techniques. Students will learn to work with a variety of materials, including recycled items, to construct unique sculptures, functional objects, and experimental art pieces. The class emphasizes the proper use of power tools for safe and effective assembly, while also covering techniques like building custom canvases, casting with different mediums, and working with ceramics. By blending traditional craftsmanship with sustainable practices, students will develop both their technical skills and artistic vision, producing work that combines creativity, innovation, and environmental consciousness.

**4635 AP STUDIO ART .....Grade 12.....Level 5—1 Credit**

Prerequisite: Successful completion of 3613 Art 2 or 2603 Art 1 and 3643 Studio Art and/or the invitation from the department.

This class is for serious art students planning on continuing their art education in college. Students will work to create a portfolio displaying between twenty-four to twenty-nine pieces of the student's best work. Students' portfolios are required to meet the AP Studio Art Standards. Portfolios will include 3 sections: Breadth, Concentration, and Quality. In the Breadth section, students display 12 pieces that show the range of their talents. In the Concentration section, students display their ability to create 12 pieces based upon one concept and should show how well the student can communicate their concept in visual form. In the Quality section, students submit 5 pieces of their best work to be juried by the AP Board.

**4663 TEXTILES .....Grades 11, 12 .....Level 3—½ Credit**

Prerequisite: None

This class introduces students to the history, design and aesthetics of clothing, home decor and accessories. Each student will be required to learn the specific techniques of machine and hand sewing including the production of several sewn items. All couture seams will be demonstrated, taught and completed by the students. They will use color theory to design and purchase their fabric for various projects. Quilting techniques will be included and the Log Cabin pattern is the class signature project. Students will also learn about elements of the fashion design industry and the production of clothing.

**4693 TEXTILES 2 .....Grades 11, 12 .....Level 3—½ Credit**

Prerequisite: 4663 Textiles

Textiles 2 builds upon the skills students developed in Textiles. Students will apply their knowledge of machine and hand sewing to new projects. Each student will be required to learn advanced techniques of machine and hand sewing by applying them to the production of various sewn items. Students will learn to read a pattern, select appropriate fabric for the pattern and construct several garments. All couture seams will be demonstrated, taught and completed by the students. They will use color theory to design and purchase their fabric for various projects and apply geometry and algebra to pattern alterations and design. Students will create a signature project that may be a couture garment or fabric art piece. Students will also learn about elements of the fashion design industry and the practicalities of the business side of art and fashion.



## Music

Music is a creative expression that enriches one's life and is an essential ingredient in the curriculum of any liberal arts program. Every student should have the opportunity to study music, participate in choral singing, and share her instrumental talents with others in the orchestra.

### **2653 HISTORY OF ROCK AND ROLL.....**Grades 10, 11, 12 .....Level 3—1 Credit

Prerequisite: None

This class will break down the fundamental elements of Rock and Roll music as a musical genre and literary art form. Students will learn about not only the style and sound of Rock and Roll, but of each genre that influenced it and was borne of it as well. Students will learn important composers/arrangers and performers through the years. Students will also study the music industry and how it has changed, as well as its influence on society, and likewise, society's influence on the industry. By the conclusion of this course, students will have a much deeper understanding of modern genres and the important people connected to them, as well as how the music industry works and where it is headed. This course counts towards the Fine Arts requirement.

### **36393 PIANO LAB.....**Grades 10, 11, 12 .....Level 3— $\frac{1}{2}$ Credit

Prerequisite: None

This class is designed for beginners who have little to no experience on the piano. The course will cover proper technique, note reading, rhythm, music terms and symbols, chord progressions and harmonizing, and 12- bar blues. This course is open to all students, and is recommended both for those with a general interest in learning how to play, as well as those who already play other instruments, but want to widen their musical knowledge and ability. This course counts towards the Fine Arts requirement.

### **36293 PIANO LAB 2.....**Grades 10, 11, 12 .....Level 3— $\frac{1}{2}$ Credit

Prerequisite: 3693 Piano Lab

This class is a continuation of Piano Lab. The course will continue to cover proper technique, note reading, rhythm, music terms and symbols, chord progressions and harmonizing, and 12- bar blues. This course counts towards the Fine Arts requirement.

### **4673 CHORUS.....**Grades 9, 10, 11, 12 ... Level 3— $\frac{1}{2}$ Credit

Prerequisite: None

Students will sing in harmony and receive vocal technique instruction, sight singing instruction and basic music theory instruction. Attendance at dress rehearsals and performances is required. Students will perform at various school functions and concerts that may be outside the normal hours of the school day. Chorus is scheduled in the after school/CPM class time slot. In particular Chorus is scheduled to allow freshman interested in singing to have an opportunity to earn credit in vocal music when the normal freshman's schedule allows no opportunity to do so during the school day. However, students in other grade levels may want to take Chorus if they can't fit Choir into their schedules. Students who are interested in performing in the theatre musical shows are encouraged to consider taking Chorus. Students may take this course multiple times both to fulfill the Fine Arts requirement and/or for additional elective credit.

**4674 CHOIR-HONORS** .....Grades 11, 12 ..... Level 4— $\frac{1}{2}$  Credit

Prerequisite: 4673 Chorus for 2 years or audition and departmental approval

Choir-Honors enhances and reinforces what student learned performing in 4673 Chorus. Students will sing in harmony and receive vocal technique instruction, sight singing instruction and basic music theory instruction. Attendance at dress rehearsals and performances is required. Students will perform at various school functions and concerts that may be outside the normal hours of the school day. Choir Honors is scheduled after school and meets together with Chorus. Students who are interested in performing in the theatre musical shows are encouraged to consider taking Choir-Honors. Students may take this course multiple times. This course counts towards the Fine Arts requirement.

**4683 BAND**.....Grades 9, 10, 11, 12 ... Level 3— $\frac{1}{2}$  Credit

Prerequisite: Proficiency on an instrument and ability to read music

Band/Orchestra is offered as a class before school. Students will gain experience in technique on their instrument and blending musically in an ensemble. The orchestra will perform at various school functions and concerts throughout the year. Attendance at rehearsals and performances is required. Rehearsals will be held before school approximately three days per week. Some rehearsals and performances will be outside the normal hours of the school day. Consult the band director for more information on schedule details. Students may take this course multiple times.

**4694 BAND-HONORS** .....Grades 11, 12 ..... Level 4— $\frac{1}{2}$  Credit

Prerequisite: Proficiency on an instrument and ability to read music, one credit of 4683 Band, and department approval

This course follows the same course summary as 4683 Band. In addition, honors students will be required to complete assignments relating to various topics in music theory and music history. Honors students will be held to a higher standard with regard to music performance and music performance tests. Honors Band students will be required to keep rehearsal logs and private instruction will be recommended. Students may take this course multiple times.

## ***HISTORY-SOCIAL STUDIES DEPARTMENT***

(Three credits of history and social studies are required)

The purpose of the Social Studies program is to afford the student a working knowledge of the story of the world in which she lives. This working knowledge will provide the student with the facts and the skills necessary for using these facts. One of the major aims of the program is to develop the student's understanding of her Christian responsibility to the world.

### ***Department Learner Goals:***

Students will:

- Demonstrate an ability to read and interpret maps, as well as demonstrate knowledge of the five themes of geography.
- Demonstrate knowledge of the key facts, terms, and concepts of the Social Sciences.
- Students will demonstrate an ability to analyze a variety of materials, including charts, graphs, primary sources, and works of art and literature.
- Demonstrate an ability to relate the past to current issues.
- Be exposed to the concepts of good citizenship and demonstrate a knowledge of the foundations of American government.
- Demonstrate an appreciation for the contributions made by diverse religious, ethnic, and racial groups.
- Demonstrate an understanding and appreciation for gender roles.
- Demonstrate an ability to use digital technology in connection with the Social Sciences.
- Demonstrate proficiency in writing skills required for the Social Sciences.

### **15233 WORLD GEOGRAPHY .....Grade 9.....Level 3— $\frac{1}{2}$ Credit**

Prerequisites: None

This course is designed to give freshmen a basic geographic overview of the world and serve as a foundation course for all other social studies offerings. The course will study political geography, landforms, and climate zones, and give the student a basic understanding of the world in which we live so that she can apply this geographic understanding as she continues her studies of world and American history.

### **15435 AP HUMAN GEOGRAPHY .....Grade 9.....Level 5—1 Credit**

Prerequisites: History-Social Studies and department approval

AP Human Geography is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. Students are expected to take the AP Exam at the conclusion of the course. Research and projects completed during this course will satisfy the graduation requirement to demonstrate the safe use of the Internet and proficiency in the use of technology resources.

**2505 A.P. WORLD HISTORY .....Grade 10.....Level 5—1 Credit**

Prerequisites: History-Social Studies and department approval

This course covers both Western and non-Western history from the end of the New Stone Age to the present. Students will be expected to have an in-depth knowledge of the main events, personalities, societies, and trends that have taken place in the history of the world. Students are also expected to be familiar with the craft of history, such as historical writing, and the interpretation and analysis of primary sources. Students are expected to take the AP Exam at the conclusion of the course. Students may take A.P. World History for dual credit through Thomas More University’s Gemini Program.

**2514 WORLD CIVILIZATIONS-HONORS.....Grade 10.....Level 4—1 Credit**

Prerequisites: History-Social Studies department approval

Level 4 World History is a survey course that stresses analysis of history that will enable students to grasp the broader implication of motives and deeds that they study in the story of humankind. This course demands more writing to demonstrate understanding and use of social studies skills. Students will be required to read and analyze a wide variety of primary sources. Knowledge of geography as it affects human activity is also developed.

**2523 WORLD CIVILIZATIONS .....Grade 10.....Level 3—1 Credit**

Prerequisites: None

This course is a general survey of world history emphasizing an understanding of the forces that have shaped its major personalities and events. While priority is given to western history, non-western cultures are studied as time permits. The course stresses organizing information, drawing conclusions, evaluating ideas, and geography skills.

**3505 AP U.S. HISTORY .....Grade 11.....Level 5—1 Credit**

Prerequisite: 2514 World Civilizations Honors or 2523 World Civilizations, and department approval

This course focuses on the key events/characters that have shaped American History and relies heavily on student document analysis and evaluation of historical events. The ability to write organized essays and papers is stressed. The students are expected to take the AP Exam at the conclusion of the course.

**3514 U.S. HISTORY-HONORS .....Grade 11.....Level 4—1 Credit**

Prerequisite: 2514 World Civilizations-Honors or 2523 World Civilizations with History-Social Studies department approval

In addition to all aspects of level 3, 3523 U.S. History, this class includes outside reading throughout the year and an emphasis on essay writing, especially on tests.

**3523 U.S. HISTORY** .....Grade 11.....Level 3—1 Credit

Prerequisite: 2514 World Civilizations-Honors or 2523 World Civilizations

The course is divided into Pre-Civil War and Post-Civil War. The goal of the course is to give the student an understanding of the developments of the political, social, economic and diplomatic aspects in United States history and an appreciation of our heritage as citizens. Analytical and map skills along with some historical research and interpretation are emphasized.

**3533 LAW AND JUSTICE** .....Grades 9, 10, 11, 12 ..... Level 3—1 Credit

Prerequisite: None

Law and Justice is an introduction to the legal system of the United States. This study of the basic social contracts of society will enable students to understand our democratic values of justice, equality under the rule of law, responsibility, freedom, human rights, equity and human dignity. These values are explored as students are aided by attorneys from local firms to prepare to participate in a mock trial competition. Students may participate all four years in the mock trial competition but are eligible to take the class for credit twice to earn a maximum of 1 credit as an elective in history and social studies. Note—The class meets outside the regular school day in the late afternoon and early evening two days per week beginning in October. As the mock trial competition approaches in February, Saturday meetings are added and hours are extended. Students may take Law and Justice multiple times.

**45405 AP EUROPEAN HISTORY**.....Grade 12.....Level 5—1 Credit

Prerequisite: Department approval

This course covers European history from the Renaissance to the present. Students will be expected to demonstrate an in-depth knowledge of European political, economic, intellectual, and social history. Critical thinking and the ability to write organized essays will be emphasized. Students are either encouraged to take the AP Exam or enroll for dual credit through Thomas More University’s dual credit program as **45415 DC Modern Europe–203&204**. Students taking the dual credit option are eligible for both semesters’ history credits (6 credits) at Thomas More University.

**4523 CURRENT ISSUES** .....Grade 12.....Level 3— $\frac{1}{2}$  Credit

Prerequisite: 3523 U.S. History, 3514 U.S. History-Honors or 3505 AP U.S. History

This course will focus on the current state of world affairs. The class involves an intensive study of the major geographic/cultural regions of the modern world, with an emphasis on the current problems and potential developments there. Topics will often be focused on events developing in the news. Discussion and debate of current international political and economic issues will be included.

**4563 GOVERNMENT** .....Grade 12.....Level 3— $\frac{1}{2}$  Credit

Prerequisite: 3523 U.S. History, 3514 U.S. History-Honors or 3505 AP U.S. History

This course involves the study of the U.S. government. The functions of federal, state, and local government, as well as the separation of powers, will be emphasized. Discussion and debate of current political issues will be included. There will also be comparative studies of alternative government systems. During presidential election years, the class will organize a mock presidential election.

**4574 ECONOMICS-HONORS** .....Grade 12.....Level 4— $\frac{1}{2}$  Credit

Prerequisite: 3523 U.S. History, 3514 U.S. History-Honors or 3505 AP U.S. History

This course follows the same curriculum as Level 3 Economics (4573). In addition the honors level will involve research projects directed by the teacher.

**4583 WOMEN IN AMERICA** .....Grade 12.....Level 3— $\frac{1}{2}$  Credit

Prerequisite: 3523 U.S. History, 3514 U.S. History-Honors or 3505 AP U.S. History

This course will move through the chronology of American history to examine the broad themes that have shaped women's lives, as well as how women have impacted American Society. Women's history from the Civil War to the present will be the focus of the class. While tracing larger trends and identifying common experiences, we will also pay close attention to the specific experiences of individual women in order to shed light on social, economic and ethnic differences among them. We will examine a wide array of written and visual primary sources.

**45445 AP PSYCHOLOGY** .....Grade 12.....Level 5—1 Credit

Prerequisite: Department approval. (Please note: As there is no related course leading into DC Education providing an opportunity for prior teacher approval, students interested in this course will be allowed to sign up for this course in PowerSchool as an elective. Space in this course is limited. The department will review and contact students who request the course to discuss final approval for the course.)

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. The AP Psychology students are expected to take the AP Exam at the conclusion of the course.

## ***MATHEMATICS DEPARTMENT***

(Three and one-half or four credits of mathematics are required including: Algebra 1, Algebra 2, and Geometry or higher-level mathematics courses in their place. In addition a mathematics course shall be taken each year of high school.)

Mathematics is a tool used to develop logical and creative thinking. The mathematics curriculum is designed to achieve a proper balance between theory and application through practice and problem solving. The mathematics department offers courses that utilize a variety of teaching methods to develop each student's mathematical potential. Students use a TI-84 Plus Graphing Calculator in all mathematics courses.

### ***Department Learner Goals:***

Students will:

- Develop a positive attitude towards mathematics by making mathematical processes meaningful.
- Develop a degree of self-confidence and self-direction in mathematics.
- Develop an ability to logically reason.
- Develop a competency in reading mathematical material.
- Express mathematical reasoning clearly when sharing answers with a small group or the class.
- Present mathematical concepts in a creative and meaningful way through research and analysis.
- Gain information from and to critique graphs, charts, statistics, and other data.
- Develop an appreciation of the structure of mathematics, its contribution in the development of civilization, and the importance of mathematics in the world today.
- Develop a solid background for further mathematical, scientific, and technical training.

### **12414 ALGEBRA 1 GRADE 8-HONORS ....Grade 8..... Level 4—1 Credit**

Prerequisite: Sufficient math aptitude test scores in grade school and department approval

Algebra 1 Grade 8 Honors is a collaborative course taught with Covington Catholic High School offered to eighth grade students who have demonstrated exceptional math skills as a way to accelerate their study of high school mathematics. It is designed for students who plan to take 4205 A.P. Calculus AB as a senior. A student who earns a minimum grade of 82 in this course may (but is not required to) take 3214 Algebra 2 Honors as freshmen and will earn one credit in mathematics on her high school transcript. The grade will be included in her NDA grade point averages. A student earning less than an 82 will receive credit for taking algebra on her grade school transcript and that grade will not be included in her high school grade point averages. Students taking this course are not eligible to take the Notre Dame Academy math department's qualifying test for 3214 Algebra 2-Honors.

**12424 ALGEBRA 1-HONORS.....Grade 9.....Level 3—1 Credit**

Prerequisite: None

This course follows the same curriculum as the Level 3, 1233 Algebra I but is suggested for the student who has outstanding understanding of mathematics and the ability to work at a faster pace. Topics will be covered in more depth than the Level 3 course.

**12433 ALGEBRA 1 .....Grade 9.....Level 3—1 Credit**

Prerequisite: None

This course is designed to provide students with a strong foundation in basic algebraic concepts, skills, and applications. Instruction in number theory, graphs, mathematical sentences, polynomials, and linear equations with one or two variables will be included. This course is required unless a student is exempted by acceptable performance on a comprehensive test or a student has already earned an Algebra 1 credit from a high school transcript. Eighth grade algebra does not necessarily exempt a student.

**2204 GEOMETRY-HONORS .....Grade 10.....Level 4—1 Credit**

Prerequisite: 1233Algebra 1 or Freshman 3214 Algebra 2-Honors and department approval

This course follows the same curriculum as the Level 3, 2213 Geometry but has a heavier emphasis on proofs and critical thinking. Students will explore topics at a faster pace and study more abstract concepts than in the Level 3 course. Geometry is required of all students.

**2213, 2223 GEOMETRY .....Grade 10.....Level 3—1 Credit**

Prerequisite: 1233Algebra 1

This course includes the study of plane and solid geometry. Its purpose is to provide students with an understanding of geometric figures in the plane and in space, and to develop a deductive method of reasoning through the use of proofs. The course provides opportunities for original and creative thinking by the students. Geometry is required of all students.

**32414, 32434 ALGEBRA 2-HONORS.....Grades 9, 10, 11 .....Level 4—1 Credit**

Prerequisite: 1233 Algebra 1 with department approval

Prerequisite for 3214: Completion of 1214 Algebra 1 Grade 8-Honors with a minimum grade of 82% or Math department acceptance of the score from the Algebra 2 Honors qualifying test or earned credit for Algebra 1 that appears on a transcript from another high school.

This course follows the same curriculum as the Level 3, 3253 Algebra 2 but is suggested for the student who has an outstanding understanding of mathematics and the ability to work at a faster pace. Topics will be covered in more depth than the Level 3 course. Students at this level should have an interest in studying mathematics beyond the requirements of Algebra 1, Geometry, and Algebra 2. This course is also offered to freshmen who have completed a full year of high school Algebra in eighth grade and meet the above prerequisites. Students invited to take Algebra 2 as freshmen should have an interest in the field of mathematics and plan to study four years of math, including AP Calculus their senior year. Sophomores who elect to double up also take this course. Algebra 2 is required of all students.



**3253, 3263 ALGEBRA 2** .....Grades 11 ..... Level 3—1 Credit

Prerequisite: 1233Algebra 1

This course is an extension of Algebra 1 and includes topics such as polynomials, algebraic functions, probability, exponents and radicals, simultaneous equations, graphs of a variety of functions and relations, and analytic geometry. Algebra 2 is required of all students.

**4204 CALCULUS-HONORS**.....Grade 12.....Level 5—1 Credit

Prerequisite: 4223 Precalculus or 4214 Precalculus-Honors

This course will provide an introduction into Calculus concepts and applications. Topics will include differentiation techniques and application. Some techniques for integration will also be covered, as well as applications. This course will provide exposure to Calculus topics in order to prepare students to take Calculus I at the college level.

**4205 AP CALCULUS AB**.....Grade 12.....Level 5—1 Credit

Prerequisite: Level 4, 4214 Precalculus-Honors and department approval

This course is a first semester college Calculus course and includes preparation for the AP test. Topics studied include: analytic geometry, differential and integral calculus of algebraic and transcendental functions and geometric and physical applications. Upon successful completion of the AP test, students may receive college credit.

**42415 AP PRECALCULUS** ..... Grades 11, 12.....Level 4—1 Credit

Prerequisite: 2213/2223 Geometry or 2204 Geometry-Honors and 3253 Algebra 2 or 3214/3234 Algebra 2-Honors an department approval

In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students study each function type through their graphical, numerical, verbal, and analytical representations and their applications in a variety of contexts. Furthermore, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets, thereby gaining a deeper understanding of the nature and behavior of each function type.

**4223 PRECALCULUS** .....Grade 12.....Level 3—1 Credit

Prerequisite: 2213/2223 Geometry or 2204 Geometry-Honors and 3253/3263 Algebra 2 or 3214/3234 Algebra 2-Honors

This course builds on the concepts learned in Algebra 2. It is designed for those who have had relative success in mathematics up to this level and who have an interest in mathematics. Students will study a wide variety of functions including a comprehensive study of Trigonometry. Other topics may include conics, sequences and series, logarithms, matrices and determinants, complex numbers and polar coordinates.

**42453 STATISTICS AND PROBABILITY ....Grade 11, 12.....Level 3—1 Credit**

Prerequisite: 3253/3263 Algebra 2

This course will present analysis and visualization techniques for one and two variable data. Various tests for inference and correlation will be learned. Traditional approach to Theoretical Probability and Empirical (simulation) Probability will be researched. In addition, Algebraic and geometric skills will be reviewed in preparation for the ACT/SAT tests

Note– the course is not designed for students who are taking, or have already taken, Precalculus

**4255 AP STATISTICS .....Grades 10, 11, 12 .....Level 5—1 Credit**

Prerequisite: Department approval

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course.

## ***RELIGION DEPARTMENT***

(Four credits of religion are required including Faith and Revelation, Scriptures, Church History, and Morality.)

Beginning in the 2014-2015 School year, Notre Dame Academy began implementing the new Diocesan High School Religion Curriculum. This new curriculum will better align the Diocese of Covington with the United States Bishops' document *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*. These new mandates will be implemented in stages over the next four years.

The Religion Department of Notre Dame Academy assists young women in the development of their faith and in forming small Christian communities beginning in their freshman year. Students are encouraged to view Faith as a gift from God that must be nourished and lived out according to the Gospel values inherent in the Catholic Tradition.

Not only are students taught Catholic doctrine and the eternal truth found in Sacred Scripture and Tradition, but also they are encouraged to use critical thinking skills regarding their spiritual development and the formation of a moral conscience. A positive relationship with God and with others is accomplished through opportunities for involvement in their school, community and the world, through service opportunities for those in need, provided by Campus Ministry.

### ***Department Learner Goals:***

Students will:

- Develop an understanding of the Church's role in Salvation History through a comprehensive study of Catholic Doctrine, Scriptures, Church History and Morality.
- Develop an understanding that Christ's mission and salvation history continues in the divinely instituted Church which is guided by the Holy Spirit.
- Engage in theological reflection and faith sharing.
- Integrate technology to enhance learning and to provide the tools necessary for a variety of learning styles and accommodations.

## **FRESHMEN YEAR**

The Freshman Religion Classes are separate half-credit classes. Students must pass both.

### **10113 AN INTRODUCTION TO SCRIPTURE ..Grade 9..... Level 3— $\frac{1}{2}$ Credit**

Co-requisite: 1023 Who is Christ?

#### *(FAITH AND REVELATION)*

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the Living Word of God, Jesus Christ. They will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section.

### **10223 WHO IS CHRIST? .....Grade 9..... Level 3— $\frac{1}{2}$ Credit**

Co-requisite: 1013 An Introduction to Scripture

#### *(THE BLESSED TRINITY)*

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

#### **CHRISTIAN SERVICE FOR FRESHMEN**

The freshmen are introduced to service as an integral part of the Christian life through an organized Freshman Service day in the Fall. The event takes place during the school day.

#### **RETREAT PROGRAM FOR FRESHMEN**

The freshmen take part in a day of reflection in the Fall. This day of reflection introduces the students to ways they can make a difference in social justice settings in their everyday lives and in the world around them. This retreat takes place during the school day. Each freshman is required to participate in this program.

## **SOPHOMORE YEAR**

The Sophomore Religion Classes are separate half-credit classes. Students must pass both.

### **20113 THE MISSION OF CHRIST ..... Grade 10 .....Level 3—½ Credit**

Co-requisite: 2023 Christ and the Church

#### *(THE MYSTERY OF REDEMPTION AND CHRISTIAN DISCIPLESHIP)*

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

### **20223 CHRIST AND THE CHURCH..... Grade 10 .....Level 3—½ Credit**

Co-requisite:: 2013 The Mission of Christ

#### *(THE CHURCH: THE SACRAMENT OF SALVATION)*

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

## **CHRISTIAN SERVICE FOR SOPHOMORES**

Sophomores continue their service by completing 15 hours of service during the first three quarters of the school year. This service is done in non-profit agencies and institutions in the area.

## **RETREAT PROGRAM FOR SOPHOMORES**

The religion department plans a retreat experience for sophomores. The emphasis of the retreat is community building and Marian Spirituality. This retreat takes place during the school day. Each sophomore is required to participate in this program.

## **JUNIOR YEAR**

The Junior Religion Classes are separate half-credit classes. Students must pass both.

### **30113 CATHOLIC SOCIAL TEACHING..... Grade 11 .....Level 3 .— $\frac{1}{2}$ Credit**

Co-requisite: 3033 Christ And The Sacraments

*(THE SOCIAL DOCTRINE OF THE CATHOLIC CHURCH)*

The purpose of this course is to introduce students to the Church's social teaching in an interactive and hands on way. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

### **30223 CHRIST AND THE SACRAMENTS... Grade 11 .....Level 3 .— $\frac{1}{2}$ Credit**

Co-requisite: 3013 Catholic Social Teaching

*(THE SACRAMENTS: SOURCE OF OUR LIFE IN CHRIST)*

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

## **CHRISTIAN SERVICE FOR JUNIORS**

Junior Service: Each week on Tuesdays or Thursdays the junior student will participate in the Junior Service program. Junior Service will account for a percentage of the Junior Religion grade.

## **RETREAT PROGRAM FOR JUNIORS**

The religion department in cooperation with the junior class plans a retreat experience for juniors. The emphasis of the retreat is growth in one's life with God and others. The retreat is held on a school day after regular school hours. Each junior is required to participate in this program.

## SENIOR YEAR

The Senior Religion Classes are separate half-credit classes. Students must pass both.

### **40113 MORAL LIVING IN CHRIST** ..... Grade 12 .....Level 3 .— $\frac{1}{2}$ Credit

Co-requisite:: 4023 Vocations

#### *(OUR MORAL LIFE IN CHRIST)*

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students will learn the moral concepts and precepts that govern the lives of Christ's disciples.

### **40223 VOCATIONS** ..... Grade 12 .....Level 3 .— $\frac{1}{2}$ Credit

Co-requisite: 4013 Moral Living in Christ

#### *(VOCATIONS AND THE UNIVERSAL CALL TO HOLINESS)*

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students will learn how all vocations are similar and how they differ. The course will be constructed around married life, single life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

### CHRISTIAN SERVICE FOR SENIORS

Seniors are expected to participate in a project of their own design (guidelines given at the beginning of the school year). During the fourth quarter each student will present a Final Service Completion Project that pulls together all 4 years of their service experience.

### RETREAT PROGRAM FOR SENIORS

Seniors are expected to take part in one of three overnight retreats.

## ***SCIENCE DEPARTMENT***

(Three credits of science are required including one physical science and one life science—one of which must be a lab science. In addition one-half credit of Health and one-half credit of Physical Education are required.)

Science is a major part of modern culture. It is important not only in its factual content, but also in its method and philosophy. Since it has become enmeshed in our social institutions, our students need: to be scientifically literate, to develop a sense of inquiry, and to be appreciative of the natural world.

### ***Department Learner Goals:***

Students will:

- Use the scientific method to develop careful observation, critical thinking, and problem solving skills.
- Develop scientific literacy to be an informed citizen.
- Appreciate the inter-relatedness of physical and biological systems.
- Incorporate both scientific knowledge and technology into daily life.
- Understand the science that underlies the ethical issues of our day.
- Value the beauty of the natural environment and responsibly use its resources.

### **13433 BIOLOGY..... Grade 9 ..... Level 3—1 Credit**

Prerequisite: None

This biology course is a study of genetics, evolution and the plant and animal kingdoms. Emphasis is on heredity, especially human heredity, in the first semester. In the second semester, the anatomy and physiology of individual organisms and the interrelationships among various groups are treated. Laboratory experience, which may include dissections, forms an integral part of the subject matter.

### **13434 BIOLOGY HONORS .....Grade 9..... Level 4—1 Credit**

Prerequisite: None

This biology course is a study of genetics, evolution and the plant and animal kingdoms. Emphasis is on heredity, especially human heredity, in the first semester. In the second semester, the anatomy and physiology of individual organisms and the interrelationships among members of various groups are treated. Laboratory experience, which may include dissections, forms an integral part of the subject matter. Successful completion of the course will require consistent reading of text, frequent lab reports, and frequent written assignments and outside readings.

### **2304 CHEMISTRY-HONORS .....Grade 10..... Level 4—1 Credit**

Prerequisites: None

This advanced-level chemistry course explores the classes of matter, atomic structure, the periodic table, chemical formulas and equations, the mole concept, gas laws, energy relations and basic organic chemistry. Approximately one half of the class time is devoted to lab work. Dissection is not included. Students will be expected to master course material not always presented in class, work independently in the lab, and draw connections and conclusions across chapters. This course fulfills the college admission requirement for one year of high school chemistry.



**2313 CHEMISTRY** .....Grade 10.....Level 3—1 Credit

Prerequisite: None

The first three quarters are devoted to introductory chemistry. Classes of matter, atomic structure, periodic table, formulas and equations, the mole concept, gas laws, energy relations and basic organic chemistry are among the topics covered. Topics included are: cell structure, origin of life, classification, and chemical basis of life. Approximately one half of the class time is devoted to lab work. This course fulfills the college admission requirement for one year of high school chemistry.

**3305 AP BIOLOGY** .....Grades 11, 12 .....Level 5—1 Credit

Prerequisites: 2313 Chemistry or 2304/2314 Chemistry-Honors and department approval

This advanced biology course includes content suggested for the Advancement Placement Exam in biology. The course emphasizes genetics and heredity, evolution, the anatomy and physiology of individual organisms and the interrelationships among various taxonomic groups. Content is studied in the context of major themes in biology such as continuity and change, science as a process and the relationship of structure to function. An inquiry-based approach requires significant laboratory experience which may include dissection and student-directed research. Students are expected to master a significant amount of material not presented in class, and may be required to perform open labs and prepare quarterly book reports. The course is designed to prepare students for the AP test usually taken in mid-May and assignments and tests are on a more challenging level than other biology sections.

**4313 HUMAN ANATOMY** .....Grade 12.....Level 3—1 Credit  
**AND PHYSIOLOGY**

Prerequisite: Completion of 3 science credits including chemistry

This course is designed to give students an understanding of the anatomy and physiology of the human organ systems and their relationship to one another. This course is directed from the chemical and cellular levels to the whole organism. Health issues are addressed.

**4314 HUMAN ANATOMY** .....Grade 12.....Level 4—1 Credit  
**AND PHYSIOLOGY-HONORS**

Prerequisite: Completion of 3 science credits including biology and chemistry

This course follows the same curriculum as 4313 Human Anatomy and Physiology. Students in this level 4 honors course will be expected to demonstrate a greater depth of understanding and analysis on the assignments, projects and tests as well as complete supplemental reading as directed by the teacher.

**43224 ENVIRONMENTAL SCIENCE- .....Grades 11, 12 .....Level 4—½ Credit  
HONORS**

Prerequisites: Completion of 3 science credits including biology and chemistry

Environmental Science Honors is a semester-long course designed to show thematic connections between a variety of science disciplines including biology, chemistry, and physics. It gives students a coherent and realistic picture of the applications of a variety of scientific concepts as they manifest in our environment. Students will focus on human population growth, natural resources, and ecosystem dynamics. The aim of this course is to increase student knowledge of the environmental challenges of today, while continuing to cultivate scientific critical thinking skills. Students who take the Honors course will follow the same thematic approach as the AP class, however there will be differences in assessments and outside class expectations, such as homework and readings. The Honors class will complete some of the same lab experiences as the AP class.

**43225 AP ENVIRONMENTAL SCIENCE.....Grades 11, 12 .....Level 5—½ Credit**

Prerequisites: Completion of 3 science credits including biology and chemistry

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Although there are no specific AP Environmental Science labs or field investigations required for the course, it is required that students have the opportunity to spend a minimum of 25% of instructional time engaged in hands-on, inquiry-based laboratory and/or fieldwork investigations. Students are expected to take the AP Exam in May.

**43144 ENGINEERING FOUNDATIONS- .....Grades 11, 12 .....Level 4—½ Credit  
HONORS**

Prerequisites or Co-requisite: 3253 Algebra 2 or 3214/3234 Algebra 2-Honors or higher level mathematics class

This semester long, course introduces students to various fields of engineering and their contributions to society, provides ample opportunity for project work in a team environment, practices regular effective communication techniques and knowledge synthesis skills and problem solving skills to various engineering problems, examines engineering ethics and the role the engineer plays in society and globally, studies and utilizes the engineering design process, and applies the engineering design process to open-ended engineering problems.

**43244 ENGINEERING FOUNDATIONS- ..... Grades 11, 12 .....Level 4—½ Credit  
HONORS–S2**

Prerequisites or Co-requisite: 3253 Algebra 2 or 3214/3234 Algebra 2-Honors or higher level mathematics class and successful completion of 43144 Engineering Foundations Honors.

This course allows the option to continue with the DC Engineering Foundation curriculum at the honors level in the second semester while meeting concurrently with the DC Engineering Foundations class.

**4345 DC ENGINEERING FOUNDATIONS -..... Grades 11, 12....Level 5—½ Credit  
ENED1100–DUAL CREDIT**

Prerequisites: 4223 Precalculus or 4214 Precalculus-Honors, or a minimum ACT math score of 26 or above, 4344 Engineering Foundations Honors, and department approval

This semester long course picks up where 4344 Engineering Foundations leaves off and delves deeper into methodologies used in engineering like project management, measurements & estimations, data modeling with Excel and LabVIEW, units and conversions, programming in Python, and statistics. The course culminates in a group design project using robotics. The Course is offered as dual credit through the University of Cincinnati and earns 3 credits as ENED 1100. .

**4354 COMPUTER SCIENCE PRINCIPLES..... Grades 11, 12 .....Level 4—½ Credit  
-HONORS**

Prerequisite: Any level Algebra 1 or higher math class

This semester long course introduces students to the field of computer science through the study of logic, algorithms, and programming using a computer. A brief history of computing is examined along with basic computer engineering concepts (binary, digital versus analog, compilers, robotics versus programming, etc.). Students will examine issues involving intellectual property, copyright, and ethics in computing. Career presentations are offered throughout the course. Students will complete all programming tasks through pair programming, a very important aspect of the computer science work environment.

**4355 AP COMPUTER SCIENCE..... Grades 11, 12 ..... Level 5—1 Credit  
PRINCIPLES**

Prerequisite: Any level Algebra 1 or higher math class and department approval

This year long AP course prepares students for the Advanced Placement Computer Science Principles test and is designed to attract students who do not see themselves as “computer geeks” or “AP students” as well as traditional computer science students. Students will study many times throughout the course the ideas of creativity, abstraction, data & information, algorithms, programming, the Internet, and global impact. Students will also develop computational thinking practices such as connecting computing, creating computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. Almost all work completed in class is through pair programming.

**4363 MARINE BIOLOGY**.....Grades 11, 12 ..... Level 3— $\frac{1}{2}$  Credit

Prerequisite: 3305 AP Biology, 3314 Biology-Honors or 3323/3343 Biology

This course covers the physical and biological features of the ocean realm. Areas under study include marine physical geography, oceanography and a phylogenetic survey of marine plankton, plants, invertebrates and vertebrates. Numerous lab activities are conducted. There will also be an opportunity to participate in optional field trips.

**43165 DC CHEMISTRY—CHE111** ..... Grades 11, 12.... Level 5— $\frac{3}{4}$  Credit  
**DUAL CREDIT**

Prerequisites: 2313 Chemistry or 2304/2314 Chemistry Honors and 3253 Algebra 2 or 3214/3234 Algebra 2 Honors and department approval

Co-requisites: **L43165 DC CHEMISTRY 111LAB** ..... Grades 11, 12..... Level 5— $\frac{1}{4}$  Credit

**43265 DC Chemistry—CHE113 and L 43265 DC Chemistry Lab 113**

DC Chemistry is equivalent to the General Chemistry Course taken by freshmen in college at Thomas More University. Students taking Dual Credit Chemistry will take the American Chemical Society Standardized (ACS) exam as do the students on campus at TMU to earn TMU credit upon successful completion of the course. The Dual Credit Chemistry course is an accelerated, rigorous, college-like course, with lecture, 11 labs each semester, projects, homework, quizzes, tests and exams (including the ACS exam). Students will be expected to work on up to 3–5 hours on material outside of class each week. The course is broken down into Structure of Matter, States of Matter, Reactions, Descriptive Chemistry, Kinetics, Thermochemistry, and Laboratory experiences. (*Please note: As a procedural process so that grading for DC Chemistry matches more closely to the Thomas More University schedule, DC Chemistry 111 and DC Chemistry 113 are entered as semester classes at  $\frac{3}{8}$  of a credit each along with their corresponding labs at  $\frac{1}{8}$  credit each. Students recommended for 43165 DC Chemistry 111 will be enrolled automatically in the co-requisite courses so that they will earn a total of 1 credit at NDA upon successful completion of the combined courses.*)

**33475 DC PHYSICS 1—PHY121** .....Grades 11, 12 ..... Level 5— $\frac{3}{4}$  Credit

Prerequisites: 2213/2223 Geometry or 2204 Geometry-Honors and 3253/3263 and Algebra 2 or 3214/3234 Algebra 2-Honors Algebra 2 (may be taken concurrently), and department approval

Co-requisite: **L33475 DC PHYSICS 1 LAB**..... Grades 11, 12..... Level 5— $\frac{1}{4}$  Credit

This advanced course in physics puts considerable emphasis on the place of physics in the history of ideas. Topics covered include mechanics, wave motion, and fluids. This course requires added lab work and 1 to 2 lab reports weekly. Most homework is submitted via the Internet. Formulating physics in mathematical terms and problem solving are emphasized. The lab and lecture will both be represented on the report card for this class. Thomas More University awards 4 total credits for the combined lecture and lab. The topics covered match the AP content. Students may elect to take the AP Physics 1 exam of the College Board at the conclusion of the course. Students electing to take the class as only the AP option will be enrolled in the corresponding 33485 AP Physics 1 and L33485 AP Physics Lab.

**43475 DC PHYSICS 2–PHY122** .....Grade 12..... Level 5— $\frac{3}{4}$  Credit

Prerequisites: Math to the level of Precalculus (may be taken concurrently), and department approval

Co-requisite: **L43475 DC Physics 2 Lab**..... Grade 12 ..... Level 5— $\frac{1}{4}$  Credit

This advanced course in physics puts considerable emphasis on the place of physics in the history of ideas. Topics covered include wave motion, electromagnetism, and atomic and nuclear physics. This course requires added lab work and 1 to 2 lab reports weekly. Most homework is submitted via the Internet. Formulating physics in mathematical terms and problem solving are emphasized. The lab and lecture will both be represented on the report card for this class. Thomas More University awards 4 total credits for the combined lecture and lab. The topics covered include those covered on the AP test. Students may elect to take the AP Physics 2 exam of the College Board at the conclusion of the course. Students electing to take the class as only the AP option will be enrolled in the corresponding 43485 AP Physics 2 and L43485 AP Physics 2 Lab.

**43483 PHYSICS** .....Grades 11, 12 ..... Level 3—1 Credit

Prerequisites: Math to the level of Algebra 2 (may be taken concurrently)

This course will be a yearlong course examining several applications of Physics to familiar situations. We will explore things like: Sports, Driving, Cell Phones, glasses/contacts, music, and more. We will be using math as well as science to explore these topics. The math will require a good grasp of Algebra 1, some Geometry, and the basics of Trigonometry (sin, cos, and tan). This course will also feature lab type investigations into the topics we cover.

**43484 PHYSICS-HONORS** .....Grades 11, 12 ..... Level 4—1 Credit

Prerequisites: Math to the level of Algebra 2 Honors or Precalculus (either may be taken concurrently)

This course will be a yearlong course examining several applications of Physics to familiar situations. We will explore things like: Sports, Driving, Cell Phones, glasses/contacts, music, and more. We will be using math as well as science to explore these topics. The math will require a good grasp of Algebra 1, Geometry, Algebra 2, and the basics of Trigonometry (sin, cos, and tan). This course will also feature lab type investigations into the topics we cover. The analysis in these labs will be held to a higher standard than the CP course.

**4394 SCIENCE RESEARCH-HONORS ..... Grades 9, 10, 11, 12 .... Level 4—½ Credit**

Prerequisites: Department approval of application

This course focuses on conducting an individual research project. During the first three quarters, first-time enrollees will meet for instruction once a week before the traditional school day begins. The major work is preparation of a formal research proposal, and completing and presenting original research in the areas of mathematics, natural science, engineering, computer science, or behavioral science. A minimum of 144 hours is to be logged. The student will present her work during at least two science expositions in the second semester. This elective course does not fulfill the three science credits required for graduation. Students will complete an application and be selected by the Science Department based on the number of available slots. Students may take this course multiple times.

### **Health and Physical Education**

**13173 HEALTH .....Grade 9..... Level 3—½ Credit**

Prerequisites: None

This course is designed primarily to give students a basic understanding of the systems of the human body and the effects of alcohol and drugs on the body. This course is also directed to help students understand the limitations placed on the body and the general maintenance and care of the body, including stress management. Students will gain a general appreciation for all health-related careers and receive CPR and First Aid certification.

**13283 PHYSICAL EDUCATION .....Grade 9..... Level 3—½ Credit**

Prerequisites: None

Physical education provides students with the knowledge, skills, and attitudes to acquire physical fitness, physical skills, and leisure skills necessary to maintain healthful and satisfying lifestyles throughout their lives. The class is designed to provide students with lifetime fitness activities in which they can participate at any age. The semester course includes the following units of instruction: tennis, golf, aerobics, weight training, dance, pickle ball, and badminton.

## ***WORLD LANGUAGES DEPARTMENT***

(Two credits of the same world language are required.)

The study of a world language helps the student acquire a knowledge and appreciation of other people, their manner of communication and their culture. As our world shrinks through telecommunication advancements and society becomes more mobile, the tolerance and appreciation for other peoples become necessary social tools. Furthermore, studying other cultures becomes a stepping-stone to broader global awareness. The cognitive skills acquired in foreign language study equip the student for other academic learning. The general knowledge learned is a necessary foundation for liberal arts study. Notre Dame offers language study in French, Latin, and Spanish. All students are required to take two years of the language of their choice, and are encouraged to pursue the third and fourth years as well.

### ***Department Learner Goals:***

Following the national standards established by the American Council on the Teaching of Foreign Languages, the world language classes aim to help the student so that students will:

- Communicate in a language other than English.
- Gain knowledge and understanding of other cultures.
- Connect with other disciplines and viewpoints.
- Explore the nature of language, through the comparison of languages and cultures.
- Participate in multicultural communities, using language within and beyond the school setting, and for personal enrichment and enjoyment.

### **French**

**14413 FRENCH 1**.....Grades 9, 10, 11, 12 .....Level 3—1 Credit

Prerequisite: None

This course introduces the student to the fundamentals of listening, speaking, reading, and writing French. The emphasis is on vocabulary acquisition, correct pronunciation, and basic grammar principles. An introduction to the contemporary French-speaking world and its culture is included.

**2404 FRENCH 2-HONORS** .....Grades 9, 10, 11, 12 .....Level 4—1 Credit

Prerequisite: Average of 90% in 1413 French 1 and department approval

This course is similar to 2413 French 2, level 3, in content and goals. However, level 4 students are expected to manipulate the language more independently in all skill areas. Quizzes and tests are more challenging.

**2413 FRENCH 2** .....Grades 9, 10, 11, 12 .....Level 3—1 Credit

Prerequisite: 1413 French 1

This course is a continuation of the first year course. It provides a review of basic concepts, ongoing development of vocabulary, and language skills. More emphasis is placed on the structure of the language in writing. Further exploration of French culture is pursued.

**3404 FRENCH 3-HONORS** .....Grades 10, 11, 12 ..... Level 4—1 Credit

Prerequisite: Average of 90% in 2404 French 2-Honors or 2413 French 2 and department approval

This course is similar to 3413 French 3, level 3, in content and goals. However, level 4 students are expected to manipulate the language more independently in all skill areas. Quizzes and tests are more challenging.

**3413 FRENCH 3** .....Grades 10, 11, 12 ..... Level 3—1 Credit

Prerequisite: Average of 80% in 2404 French 2-Honors or 2413 French 2

This course enhances the basic knowledge acquired in French 1 and 2 with continued study of vocabulary, grammar, and culture. The emphasis is on the development of skills, especially in speaking and writing.

**4405 AP FRENCH LANGUAGE** .....Grades 11, 12 ..... Level 5—1 Credit

Prerequisite: Average of 90% in 3404 French 3 Honors or 3413 French 3 and department approval

Typically, AP French students follow the same curriculum as the 4414 French 4-Honors class, but they are required to do additional assignments to prepare for the AP test.

**4414 FRENCH 4-HONORS** .....Grades 11, 12 ..... Level 4—1 Credit

Prerequisite: Average of 85% in 3404 French 3 Honors or 3413 French 3 and department approval

This course is designed to be a culmination of a student's study of French in high school. The course is centered on six themes: personal and public identities, families and communities, contemporary life, global challenges, science and technology, and beauty and aesthetics. Each unit of study examines one of these themes, providing a meaningful context for the development of language proficiency. While the student continues to expand and refine her knowledge of vocabulary and grammar, the emphasis is on communication in the four skill areas – reading, listening, writing, and speaking, and on enrichment of cultural understanding.



## Latin

**14463 LATIN 1** .....Grades 9, 10, 11, 12 .....Level 3—1 Credit

Prerequisite: None

The main objective of Latin 1 is to acquaint the students with the culture and language of the classical Romans. The students learn to read and translate Latin, to express themselves in written Latin and in a limited degree in oral Latin. Latin vocabulary, grammatical structures, derivatives and idioms are emphasized. Latin classical mythology is also included.

**2464 LATIN 2-HONORS** .....Grades 9, 10, 11, 12 .....Level 4—1 Credit

Prerequisite: Average of 90% in 1463 Latin 1 and department approval

This course is similar to 2473 Latin 2 in content and goals. However, level 4 students are expected to manipulate the language more independently in all skill areas. Quizzes and tests, as well as some routine assignments, are more challenging.

**2473 LATIN 2** .....Grades 9, 10, 11, 12 .....Level 3—1 Credit

Prerequisite: 1463 Latin 1

The second year Latin student pursues the classical culture in greater detail. At the same time Latin grammar, vocabulary, derivatives and idioms are studied further.

**3464 LATIN 3-HONORS** .....Grades 10, 11, 12 .....Level 4—1 Credit

Prerequisite: Average of 90% in 2464 Latin 2-Honors or 2473 Latin 2 with department approval.

This course includes more advanced Latin syntax and grammar. Students are further acquainted with Classical antiquity through Roman literature. Students translate significant excerpts of Roman authors and research topics relevant to their work. This course is the year long course for Latin 3 students who **do not** want to take the Thomas More University dual credit option in the second semester.

**3474 LATIN 3-HONORS** .....Grades 10, 11, 12 .....Level 4— $\frac{1}{2}$  Credit

Prerequisite: Average of 90% in 2464 Latin 2-Honors or 2473 Latin 2 and department approval.

Corequisite: 3475 Latin 3-Dual Credit (second semester)

This course follows the same curriculum as the yearlong Latin 3-honors (3474) course for the first semester. Students enrolled in first semester Latin 3-Honors continue in the second semester with Latin 3-Dual Credit (3465).

**3475 DC LATIN 3-LAT 102-.....Grades 10, 11, 12.....Level 5—½ Credit  
DUAL CREDIT**

Prerequisite: Average of 90% in 2464 Latin 2-Honors and department approval.

Corequisite: 3474 Latin 3-Honors (first semester)

This course follows the Latin 3-Honors curriculum. In addition, Latin 3 Dual Credit students will be expected to sight-read and translate excerpts of classical Roman authors. Latin 3-Dual Credit is offered as a college level course for which students can receive credit from both Notre Dame Academy as well as Thomas More University as part of Thomas More University's dual credit program. The credit from Thomas More University is three credit hours and is transferable to most accredited colleges and universities. Students who are exploring particular colleges are urged to confirm that those colleges will recognize Thomas More University's credits. Students must enroll in the companion college course. Students who do not enroll in the Thomas More University course will be transferred to Latin 3-Honors (3464).

**4474 LATIN 4-HONORS .....Grades 11, 12 .....Level 4—1 Credit**

Prerequisite: Average of 85% in 3464 Latin 3-Honors

This course promotes prepared, advanced reading of ancient Roman authors and quality academic research on topics of Roman literature.

**4485 DC LATIN 4-LAT 201&202.....Grades 11, 12 .....Level 5—1 Credit  
DUAL CREDIT**

Prerequisite: Average of 85% in 3464 Latin 3-Honors or 3465 Latin 3 Dual-Credit and department approval

This course follows the Latin 4 Honors (4474) curriculum. In addition to the reading of prepared passages of ancient Roman authors, Latin 4-Dual Credit students will be expected to sight read unprepared passages. Latin 4 Latin 4-Dual Credit is offered as a college level course for which students can receive credit from both Notre Dame Academy as well as Thomas More University as part of Thomas More University's dual credit program. The credit from Thomas More University is three credit hours and is transferable to most accredited colleges and universities. Students who are exploring particular colleges are urged to confirm that those colleges will recognize Thomas More University's credits. Students must enroll in the companion college course. Students who do not enroll in the Thomas More University course will be transferred to Latin 4-Honors (4474).

## Spanish

**1433 SPANISH 1** .....Grades 9, 10, 11, 12 .....Level 3—1 Credit

Prerequisite: None

This course emphasizes the acquisition of the basic skills of grammar and vocabulary. Students also practice pronouncing, reading, writing and listening to Spanish. Cultural material, read in Spanish, provides a framework for the language.

**2424 SPANISH 2-HONORS**.....Grades 9, 10, 11, 12 .....Level 4—1 Credit

Prerequisite: Average of 93% in 1433 Spanish 1 and department approval.

This course is a thorough review as well as a development of the skills learned in Spanish 1. The students will learn additional grammar and vocabulary. Level 4 is taught at a faster pace and students are required to speak, read, and write more extensively in Spanish. Students taking this course should plan to study Spanish for four years and possibly take the AP class their fourth year.

**2433 SPANISH 2** .....Grades 9, 10, 11, 12 .....Level 3—1 Credit

Prerequisite: 1433 Spanish 1

This course is a thorough review as well as a development of the skills learned in Spanish 1. The students will learn additional grammar and vocabulary.

**3424 SPANISH 3-HONORS**.....Grades 10, 11, 12 .....Level 4—1 Credit

Prerequisite: Average of 93% in 2424 Spanish 2-Honors or 2433 Spanish 2 and department approval

This course is designed as preparation for the student who plans to take the Spanish 4 honors class or Spanish AP. This class requires a more independent review of grammar as class time is used for discussion of readings and cultural materials. Class discussions are conducted in Spanish.

**3433 SPANISH 3** .....Grades 10, 11, 12 ..... Level 3—1 Credit

Prerequisite: Average of 80% in 2424 Spanish 2-Honors or 2433 Spanish 2 and department approval

This course bridges the gap between the skill development programs of Spanish 1 and 2 and the advanced study of Spanish 4 by providing a realistically balanced program. Grammar review and culture are sensibly blended to appeal to students. Class will be conducted in Spanish and English. Students taking this course should plan to study Spanish for four years.

**4425 AP SPANISH LANGUAGE** .....Grades 11, 12 .....Level 5—1 Credit

Prerequisite: 3424 Spanish 3-Honors and department approval

This course, almost exclusively in Spanish, AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

**4434 SPANISH 4-HONORS.....Grades 11, 12 .....Level 4—1 Credit**

Prerequisite: Average of 93% in 3424 Spanish 3-Honors or 3433 Spanish 3 and department approval

This course, conducted almost exclusively in Spanish, offers practice in conversation, vocabulary development, and quick grammar review. Students read a variety of culturally relevant material encompassing numerous genres and thematic units. The course aims at developing a facility with the language so that real communication can take place.

**4435 DC SPANISH 4-SPA101&102 .....Grades 11, 12 .....Level 5—1 Credit**

Prerequisite: Average of 93% in 3424 Spanish 3-Honors or 3433 Spanish 3 and department approval

This course covers the same curriculum as Spanish 4-Honors but is taken as dual credit through Thomas More University. Students may earn credit for Spanish 101 and 102 at Thomas More University through this course.

**5445 INDEPENDENT STUDY .....Grade 12.....Level 5—1 Credit**

**AP SPANISH LITERATURE**

Prerequisite: 4425 AP Spanish Language and department approval

This course is conducted almost exclusively in Spanish. AP Spanish Literature is equivalent to a college level introductory survey course of literature written in Spanish. Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts.

## ***LONG RANGE CURRICULUM PLANNING SHEETS***

### ***FRESHMEN COURSES (NORMALLY 7 CREDITS)***

Use these sheets to help in planning your course of studies for future years. Course numbers in these lists ending in a “3” are college preparatory level classes. Course numbers ending in a “4” indicate honors level. Honors courses are also indicated by the course name. Courses are one credit unless otherwise indicated

#### **Religion**

10113 An Introduction to Scripture (1/2 credit)  
10223 Who Is Christ? (1/2 credit)

#### **English**

11404 English 1-Honors  
11413, 11423 English 1

#### **Mathematics**

12433 Algebra 1  
12424 Algebra 1-Honors  
32414 Algebra 2-Honors

#### **Science**

13433 Biology  
13434 Biology-Honors

#### **Health And Physical Education**

13173 Health (1/2 credit)  
13283 Physical Education (1/2 credit)

#### **World Languages**

14413 French 1  
2404 French 2-Honors  
2413 French 2  
14463 Latin 1  
2464 Latin 2-Honors  
2473 Latin 2  
14433 Spanish 1  
2424 Spanish 2-Honors  
2433 Spanish 2

#### **History and Social Studies**

15233 World Geography (1/2 credit)  
15435 AP Human Geography

#### **Fine Arts**

2603 Art 1

#### **Business & Technology**

17133 Technology And  
Communication (1/2 credit)

#### **Counseling and Student Services**

18413 Academic Foundations

#### ***Before/After School Electives***

##### **Science**

4394 Science Research-Honors (1/2 credit)

##### **History And Social Studies**

3533 Law And Justice

##### **Fine Arts**

4673 Chorus (1/2 credit)  
4683 Band (1/2 credit)

#### ***Summer Elective***

##### **Fine Arts**

3643 Studio Art (1/2 credit)

## ***SOPHOMORE COURSES (NORMALLY 7 CREDITS)***

Use these sheets to help in planning your course of studies for future years. Course numbers in these lists ending in a “3” are college preparatory level classes. Course numbers ending in a “4” indicate honors level courses. Honors courses are also indicated by the course name. Courses are one credit unless otherwise indicated

### **Religion**

20113 The Mission Of Christ (1/2 credit)  
20223 Christ And The Church (1/2 credit)

### **English**

21405 AP Seminar-English  
2133 American Literature

### **Mathematics**

2204 Geometry-Honors  
2213, 2223 Geometry  
4255 AP Statistics

### **Science**

2304 Chemistry-Honors  
2313 Chemistry

### **World Languages**

14413 French 1  
2404 French 2-Honors  
2413 French 2  
3404 French 3-Honors  
3413 French 3  
14463 Latin 1  
2464 Latin 2-Honors  
2473 Latin 2  
3464 Latin 3-Honors  
3483 Latin 3  
14433 Spanish 1  
2424 Spanish 2-Honors  
2433 Spanish 2  
3424 Spanish 3-Honors  
3433 Spanish 3

### **History And Social Studies**

2505 AP World History  
2514 World Civilizations-Honors  
2523 World Civilizations

### **Fine Arts**

2603 Art 1  
26413 Commercial Art And Design  
2653 History of Rock and Roll  
3613 Art 2  
36393 Piano Lab (1/2 credit)  
36293 Piano Lab 2 (1/2 credit)

### **Counseling and Student Services**

2813 Academic Strategies

### ***Before/After School Electives***

#### **History And Social Studies**

3533 Law And Justice

#### **Science**

4394 Science Research-Honors (1/2 credit)

#### **Fine Arts**

4673 Chorus (1/2 credit)  
4683 Band (1/2 credit)

### ***Summer Elective***

#### **Fine Arts**

3643 Studio Art (1/2 credit)

## ***JUNIOR COURSES (NORMALLY 6 CREDITS)***

Use these sheets to help in planning your course of studies for future years. Course numbers in these lists ending in a “3” are college preparatory level classes. Course numbers ending in a “4” indicate honors level courses and those ending “5” are used for college credit (e.g. AP) courses. Honors and AP courses are also indicated by the course name. Courses are one credit unless otherwise indicated

### **Religion**

- 30113 Catholic Social Teaching (1/2 credit)
- 30223 Christ And The Sacraments (1/2 credit)

### **English**

- 31405 AP English Literature and Composition
- 3124 British Literature-Honors
- 3143 British Literature
- 4163 Creative Writing-Poetry And Fiction (1/2 credit)

### **Mathematics**

- 32434 Algebra 2-Honors
- 3253 Algebra 2
- 3263 Algebra 2
- 42415 AP Precalculus
- 4255 AP Statistics

### **Science**

- 3305 AP Biology
- 43144 Engineering Foundations Honors (1/2 credit)
- 43244 Engineering Foundations Honors S2 (1/2 credit)
- 4345 DC Engineering Foundations -Dual Credit (1/2 credit)
- 4354 Computer Science Principles-Honors (1/2 credit)
- 4355 AP Computer Science Principles
- 43165 DC Chemistry (3/4 credit)
- L43165 DC Chemistry Lab ((1/4 credit)
- 33475 DC Physics 1 (3/4 credit)
- L33475 DC Physics 1 Lab (1/4 credit)
- 43484 Physics-Honors
- 43483 Physics

### **World Languages**

- 14413 French 1
- 2404 French 2-Honors
- 2413 French 2
- 3404 French 3-Honors
- 3413 French 3
- 4405 AP French Language
- 4414 French 4-Honors

### **World Languages (continued)**

- 14463 Latin 1
- 2464 Latin 2-Honors
- 2473 Latin 2
- 3464 Latin 3-Honors (1/2 credit)
- 3465 Latin 3-Dual Credit (1/2 credit)
- 3474 Latin 3 Honors (full year/1 credit)
- 4474 Latin 4-Honors
- 14433 Spanish 1
- 2424 Spanish 2-Honors
- 2433 Spanish 2
- 3424 Spanish 3-Honors
- 3433 Spanish 3
- 4425 AP Spanish Language
- 4434 Spanish 4-Honors
- 44435 DC Spanish 4

### **History And Social Studies**

- 3505 AP US History
- 3514 US History-Honors
- 3523 US History
- 45445 AP Psychology

### **Fine Arts**

- 2603 Art 1
- 26413 Commercial Art and Design
- 2653 History Of Rock And Roll
- 3613 Art 2
- 36393 Piano Lab (1/2 credit)
- 36293 Piano Lab S2 (1/2 credit)
- 4603 Art 3
- 4663 Textiles (1/2 credit)
- 4693 Textiles 2 (1/2 credit)

## ***JUNIOR COURSES (CONTINUED)***

### **Business & Technology**

3784 Publications 1 Honors

3793 Publications 1

57323 Online Financial Literacy(1/2 credit)

### **Counseling and Student Services**

3833 Support Strategies (1/2 credit)

4823 Peer Mentoring (1/2 credit)

### ***Before/After School Electives***

#### **History And Social Studies**

3533 Law And Justice (1 credit)

#### **Science**

4394 Science Research-Honors (1/2 credit)

#### **Arts**

4673 Chorus (1/2 credit)

4674 Choir-Honors (1/2 credit)

4683 Band (1/2 credit)

4694 Band-Honors (1/2 credit)

### ***Summer Elective***

#### **Fine Arts**

3643 Studio Art (1/2 credit)

57323 Online Personal Finance (1/2 credit)



## ***SENIOR COURSES (NORMALLY 6 CREDITS)***

Use these sheets to help in planning your course of studies for future years. Course numbers in these lists ending in a “3” are college preparatory level classes. Course numbers ending in a “4” indicate honors level courses and those ending “5” are used for college credit (e.g. AP and Dual Credit/DC) courses. Honors, DC and AP courses are also indicated by the course name. Courses are one credit unless otherwise indicated. All seniors must take a minimum of five classes each semester.

### **Religion**

40113 Moral Living In Christ  
40223 Vocations

### **English**

41104 Research Writing Honors (1/2 credit)  
41103 Research Writing (1/2 credit)  
41405 AP English Language and Composition  
41223 Modern Literature (1/2 credit)  
41243 Women In Literature (1/2 credit)  
41265 DC Public Speaking (1/2 credit)

### **Mathematics**

4204 Calculus-Honors  
4205 AP Calculus AB  
4223 Precalculus  
42415 AP Precalculus  
42453 Statistics And Probability  
4255 AP Statistics

### **Science**

3305 AP Biology  
33475 DC Physics 1 (3/4 credit)  
L33475 DC Physics 1 Lab (1/4 credit)  
4313 Human Anatomy And Physiology  
4314 Human Anatomy  
    And Physiology-Honors  
43224 Environmental Science-Honors  
    (1/2 credit)  
43225 AP Environmental Science  
    (1/2 credit)  
43144 Engineering Foundations Honors  
    (1/2 credit)  
43244 Engineering Foundations Honors S2  
    (1/2 credit)  
4345 DC Engineering Foundations -Dual  
    Credit (1/2 credit)  
4354 Computer Science Principles-Honors  
    (1/2 credit)  
4355 AP Computer Science Principles  
4363 Marine Biology (1/2 credit)  
43165 DC Chemistry (3/4 credit)  
L43165 DC Chemistry Lab ((1/4 credit)

### **(Science Continued)**

43475 DC Physics 2 (3/4 credit)  
L43475 DC Physics 2 Lab (1/4 credit)  
43484 Physics-Honors  
43483 Physics

### **World Languages**

14413 French 1  
2404 French 2-Honors  
2413 French 2  
3404 French 3-Honors  
3413 French 3  
4405 AP French Language  
4414 French 4-Honors  
14463 Latin 1  
2464 Latin 2-Honors  
2473 Latin 2  
3464 Latin 3-Honors (1/2 credit)  
3465 Latin 3-Dual Credit (1/2 credit)  
3474 Latin 3 Honors (full year/1 credit)  
4474 Latin 4-Honors  
4485 Latin 4-Dual Credit  
14433 Spanish 1  
2424 Spanish 2-Honors  
2433 Spanish 2  
3424 Spanish 3-Honors  
3433 Spanish 3  
4425 AP Spanish Language  
4434 Spanish 4-Honors  
44435 DC Spanish 4  
5445 Independent Study AP Spanish  
    Literature

## ***SENIOR COURSES (CONT.)***

### **History & Social Studies**

- 45405 AP European History or  
45415 DC Modern Europe  
option
- 4523 Current Issues (1/2 credit)
- 45445 AP Psychology
- 4563 Government (1/2 credit)
- 4574 Economics-Honors (1/2 credit)
- 4583 Women In America (1/2 credit)

### **Fine Arts**

- 2603 Art 1
- 26413 Commercial Art and Design
- 2653 History Of Rock And Roll
- 3613 Art 2
- 36393 Piano Lab (1/2 credit)
- 36293 Piano Lab 2 (1/2 credit)
- 4603 Art 3
- 4634 Art 4 Honors
- 4635 AP Studio Art
- 4663 Textiles (1/2 credit)
- 4693 Textiles 2 (1/2 credit)

### **Business & Technology**

- 3784 Publications 1 Honors
- 3793 Publications 1
- 4784 Publications Production Honors  
(1/2 credit)
- 4794 Publications 2-Honors
- 57323 Online Financial Literacy (1/2 credit)

### **Counseling and Student Services**

- 4823 Peer Mentoring (1/2 credit)
- 48315 DC Education 101 (1/2 credit)
- 4863 Senior Success Strategies (1/2 credit)

### ***Before/After School Electives***

#### **History And Social Studies**

- 3533 Law And Justice (1 credit)

#### **Science**

- 4394 Science Research-Honors (1/2 credit)

#### **Fine Arts**

- 4673 Chorus (1/2 credit)
- 4674 Choir Honors (1/2 credit)
- 4683 Band (1/2 credit)
- 4694 Band-Honors (1/2 credit)

### ***Summer Elective***

#### **Fine Arts**

- 3643 Studio Art (1/2 credit)
- 57323 Online Financial Literacy (1/2 credit)