



CARDINAL GIBBONS HIGH SCHOOL



2020-2021 COURSE OF STUDIES

TABLE OF CONTENTS

General Information	2
2020-2021 Registration Information	3
Student Registration Instructions	
Placement into classes	4
Parent waiver information and process	4
Honors Option	5
PE Deferment Policy	5
Academic Requirements	
Graduation Requirements	6
NC Academic Scholars Program	6
Registering for classes on PowerSchool	8
Registration information by grade level	11
Courses by department	
Business, Technology, Engineering	15
English	19
Fine Arts	25
Math	41
Physical Education	48
Science	51
Social Studies	57
Theology	61
World Languages	65
Zero-Period Options	70
Non-Curricular Offerings	71
Cardinal Gibbons Educator Directory	72
Course Registration Worksheet	76

GENERAL INFORMATION

Registration for the 2020-2021 school year takes place in February of 2020. It begins with a student assembly and the distribution of course placement and selection information.

CHANGES FOR THE 2020-2021 SCHOOL YEAR

There are changes to courses and departments for the 2020-2021 school year.

Please note the following important changes:

- A new department, Business, Technology, Engineering (BTE), will combine the former Business and Computer Science departments.
- The former Health/Physical Education Department is now the Physical Education (PE) Department.
- Gibbons Freshman Seminar will replace Technology Skills and World Geography as a mandatory course for all incoming grade 9 students.
- There will no longer be a Media department. Media classes have been reorganized and will now be a part of the Fine Arts department. Media classes still count as a Fine Arts credit.
- Honors credit and the Honors Option have changed for many courses. Please note carefully which courses are now Honors and which have an Honors Option.
- Zero-period courses are an elective option which occur twice weekly during the given semester before Period 1, from 7:00-7:45 a.m. Zero-period courses do not fulfill a graduation requirement in any given department.

REGISTRATION FEES

For current rising 10th-12th grade students, a registration fee of \$100 is due with the completed course selection by the registration deadline: February 14, 2020.

This nonrefundable fee reserves a student's place in class for the 2020-2021 school year.

Course selections made after February 14, 2020, may not be changed except with approval from the administration and requires a \$75 course selection change fee.

Please see Course Changes and Withdrawals for more information.

REGISTRATION REQUIREMENTS AND CONDITIONS

When registering for classes, students and parents should take a four-year view, keeping in mind graduation requirements and college entrance requirements. School personnel are available to assist students individually in selecting courses.

Keep the following points in mind when planning an academic program:

- The required minimum course load is six courses.
- The school reserves the right to place students in the grade level and subjects most appropriate for their school experience.
- The school reserves the right to drop elective courses for which there is insufficient enrollment or no educator available.
- Students must obtain all necessary approval signatures before enrolling in a particular course. Review the individual course descriptions (see the Department pages) to determine which courses require prior approval of the department or educator.

COURSE CHANGES AND WITHDRAWALS

All course changes require approval from a student's parent and the school administration. Faculty assignments are based on student registration requests made during the previous spring, and it is difficult to reassign faculty members when class enrollments change unexpectedly. Therefore, course changes are approved only for sound academic reasons. Course changes are subject to a \$75.00 fee, which must be paid before the change takes place. The Course Change Request Form can be found on the website.

SUBMITTING COURSE SELECTION

All current rising grade 10 through grade 12 students will select courses using PowerSchool.

Students will logon and click the "Course Registration" icon to access the course selection screen. More information about selecting courses on PowerSchool will be distributed to students at the February scheduling assemblies and can be accessed from www.cghsnc.org/courseregistration.

All course selections must be completed by February 14, 2020.

CHANGE IN PLACEMENT

Current educators, using guidelines from their departments, place students in courses for the upcoming school year. These placements are determined by one or more of the following prerequisites: Semester 1 grade, PSAT score in Math, Evidence-based Reading and Writing, a readiness test, and/or placement in another course.

Students seeking a change in placement must fill out an online course waiver and have a conversation with his/her educator. Educators will discuss with students the prerequisite requirements for the course and inform students of their placement.

COURSE WAIVERS FOR A CHANGE IN PLACEMENT

Current students who would like to have a change in placement but do not meet the minimum prerequisite requirements must complete the online Course Waiver Request Form at www.cghsnc.org/coursewaiver.

This online form requires both student and parent signatures and provides space for comments.

Upon submission, the system will automatically email the educator a copy of the student's waiver request. Educators will then respond by allowing the student to enroll in the desired course or requesting further discussion with the student and/or parent. That educator will then enable access for the student to enroll in the desired class through PowerSchool.

All requests for a change in course placement must be completed by February 14, 2020.

Students seeking a change in placement after that date must contact the Assistant Principal of Instruction. Any change in placement, whether it be to drop or add a class, after the registration end date will incur a \$75 course change fee.

Rising grade 9 students should contact the Department Chairperson regarding any placement questions. Please see the Educator Directory page for a list of our Department Chairs.

HONORS OPTION

Cardinal Gibbons offers students the opportunity to enroll in an Honors Option for certain courses each semester. Honors Option allows students to earn honors credit (and honors course name designation) for elective, BTE, and Fine Arts courses.

Honors Option requirements are specific to each course and are outlined by the educator at the start of each semester. Students will remain in the same class/period/educator and will be required to complete the Honors Option requirements on or before the designated due date at the start of each semester. Students *do not* sign up for Honors Option during course registration in the spring.

Information about Honors Option can be found on our website: www.cghsnc.org/honorsoption

PE DEFERMENT FOR FINE ARTS AND BUSINESS, TECHNOLOGY, ENGINEERING

Freshmen at Cardinal Gibbons who wish to pursue an interest in a Business, Technology, Engineering, and/or a Fine Arts sequence in lieu of the Physical Education requirement need to take two consecutive years of a Fine Arts course or Introduction to Computer Programming Honors.

Upon completion of these two consecutive years, the PE department will provide an independent study assignment in order to receive PE credit. If the student does not continue with the second year, he or she will be enrolled in PE as a sophomore.

TYPES OF COURSES

Cardinal Gibbons offers three types of courses:

College Preparatory: The courses at Cardinal Gibbons High School are designed for students enrolled in a college preparatory program.

Honors: These courses represent an academic challenge for students and are weighted when calculating GPA. Students are placed in these courses by recommendations of the respective departments.

Advanced Placement (AP): These courses are weighted in GPA calculations and present college-level material according to the course requirements of the College Board AP Program. They conclude with the AP examinations. Students who perform successfully on the AP examination may receive college credit. Students are placed in these courses by recommendation of the respective departments.

GRADUATION REQUIREMENTS

Minimum requirements for Graduation: 23 credits (for students at Cardinal Gibbons for 4 years)

- 4 credits in Theology (one credit for each year in attendance)
- 4 credits in English
- 4 credits in Mathematics (one credit must be above Math III)
- 3 credits in Science (one must be in Biology; one must be a Physical Science: Chemistry or Physical Science)
- 3 credits in Social Studies
- 2 credits in the same World Language
- 1 credit in Fine Arts
- 1 credit in Physical Education
- 1 credit in Freshman Seminar

MINIMUM UNDERGRADUATE ADMISSION REQUIREMENT

The minimum undergraduate admissions requirements at all 16 constituent institutions* of the University of North Carolina will consist of the following:

- A high school diploma or its equivalent
- 4 course units in English
- 4 credits in Mathematics (one credit must be above Math III)
- 3 credits in Science (one must be in Biology; one must be a Physical Science: Chemistry or Physical Science)
- 2 credits in Social Studies - U.S. History, Government, and Economics
- 2 credits in the same World Language

**Individual constituent institutions may require other courses in addition to the minimum requirements and, therefore, prospective students should refer to the catalogs and contact the admissions offices of any institutions to which they plan to apply. In determining the admissibility of each applicant, constituent institutions also consider factors other than courses completed, such as high school grades, scores on college entrance examinations, recommendations, and student activities.*

NORTH CAROLINA STATE BOARD OF EDUCATION NC SCHOLARS' PROGRAM

Students must have an overall four-year grade point average of 3.5 on a 4.0 scale (unweighted) and must meet the following course requirements:

- 4 credits in English
- 4 credits in Mathematics (one credit must be above Math III)
- 3 credits in Science (Biology, Chemistry or Physics, and an Earth/Environ. Science)
- 4 credits in Social Studies (World History, U.S. History, Gov. & Econ., Church History)
- 2 credits in the same World Language
- 1 credit in Health and PE (Physical Fitness and Freshman Seminar)
- 4 credits in Elective Courses
- 22 Total Credits

DEPARTMENT OFFERINGS BY GRADE LEVEL

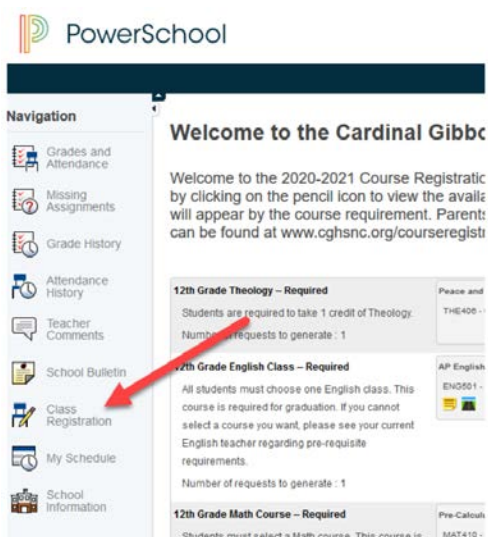
GRADE 9	GRADE 10	GRADE 11	GRADE 12
Theology			
Theology 9	Theology 10	Theology 11 Honors	Peace and Justice Honors Foundations of Catholic Worldview Honors Catholic Vocations Honors World Religions Honors
English			
English 9 English 9 Honors	English 10 or English 10 Honors	English 11 or English 11 Honors AP English Lang. and Comp. Intro to Film, Multicultural Literature, Transnational Literature, Creative Writing Honors, Public Speaking	English 12 or English 12 Honors AP English Lit. and Comp. Intro to Film, Multicultural Literature, Transnational Literature, Creative Writing Honors, Public Speaking
Math			
Essential Math I Math I Math II Math II Honors Math III Honors	Essential Math II Math II Math II Honors Math III Math III Honors Precalculus Honors	Essential Math III Math III or Math III Honors AFM or AFM Honors Precalculus or Precalculus Honors AP Calculus AB or BC MV Calculus and Diff. Equations	Discrete Math AFM or AFM Honors Intro to College Math Intro to Data Science Honors Precalculus or Precalculus Honors Calculus Honors, AP Calculus AB or BC MV Calculus and Diff. Equations AP Statistics
Science			
Biology Biology Honors	Earth Science Earth Science Honors Chemistry Chemistry Honors	Physical Science Chemistry or Chemistry Honors Physics or Physics Honors AP Chemistry AP Environmental Science Forensics, Astronomy, Marine Ecology	Physics or Physics Honors Anatomy and Physiology Honors AP Biology AP Chemistry AP Environmental Science AP Physics C Forensics, Astronomy, Marine Ecology Science Lab Assistant
Social Studies			
NA	World History World History Honors AP World History	U.S. History or U.S. History Honors AP U.S. History Psychology, Sociology	U.S. Gov. or U.S. Gov. Honors Economics or Economics Honors AP U.S. Government and Politics Psychology, Sociology
World Languages			
Latin I, II, III, IIIH French I, II, IIIH Spanish I, II, IIH, III, IIIH Essential Spanish I	Latin I, II, III, IIIH, IV, AP French I, II, IIIH, AP Spanish I, II, IIH, III, IIIH, IV, AP Lang. Essential Spanish I or II	Latin I, II, III, IIIH, IV, AP French I, II, IIIH, AP Spanish I, II, IIH, III, IIIH, IV, AP Lang., AP Lit. Essential Spanish I or II	Latin I, II, III, IIIH, IV, AP French I, II, IIIH, AP Spanish I, II, IIH, III, IIIH, IV, AP Lang., AP Lit. Essential Spanish II
Fine Arts			
Dance I or II* Drama I* Tech Theatre I Art I Guitar I or II* Symphonic Band Symphonic and Pep Band* Wind Ensemble * Percussion Ensemble String Orchestra I, II, IIIH* Chorus (Men's or Women's) * Introduction to Digital Media *require audition	Dance I, II, or III Drama II Tech Theatre I or II Art I or II Guitar I, II, IIIH, IV-VH Symphonic Band Symphonic and Pep Band Wind Ensemble Percussion Ensemble String Orchestra I, II, IIIH* Chorus (Men's or Women's) Introduction to Digital Media Digital Media I Broadcast Journalism Yearbook	Dance I, II, III, or IVH Drama III or Musical Theatre Integrated Arts Design Honors Tech Theatre I, II, III-IVH Art I, Art II, AP Art (2D or 3D Design), Intro to Clay, Intro to Seq. Art, Photo, AP Drawing, or Intro to Computer Modeling Guitar I, II, III-H, IV-VH Symp. Band, Wind Ens., AP Music Theory Percussion Ens. or Perc Ensemble-H String Orchestra I, II, III-IVH Mixed Ensemble Chorus Honors Intro to Digital Media, Digital Media I, Digital Media IIH, Broadcast Journalism, Yearbook I or II-H	Dance I-VH Drama III, IV-H, or Musical Theatre I or II-H Integrated Arts Design Honors Tech Theatre I, II, III-IVH Art I, Art II, AP Art (2D or 3D Design), Intro to Clay, Intro to Seq. Art, Seq. Art II, Photo, AP Drawing, AP Art History, or Intro to Comp. Modeling Guitar I, II, III-H, IV-VH Symp. Band, Wind Ens., AP Music Theory Percussion Ensemble or Perc Ensemble-H String Orchestra I, II, III-IVH Mixed Ens. Chorus Honors, Intro to Digital Media, Digital Media I, Digital Media IIH, Broadcast Journalism, Yearbook I or II-H
Physical Education			
Men's Fitness 9/10 Women's Fitness 9/10	Men's Fitness 9/10 Women's Fitness 9/10 Strength and Cond. II Yoga and Mindfulness	Men's Fitness 11/12 Honors Women's Fitness 11/12 Honors Strength and Cond. II or III Honors Yoga and Mindfulness	Men's Fitness 11/12 Honors Women's Fitness 11/12 Honors Strength and Cond. II, III-H, or IV-H Yoga and Mindfulness
Business, Technology, & Engineering			
Freshman Seminar Intro to Computer Programming STARS	Intro to Comp Programming Honors or AP Computer Science A CCNA Honors STARS Intro to Engineering Design	Intro to Comp. Programming Honors or AP Computer Science A CCNA Honors or Adv. CCNA Honors, STARS Intro to Engineering Design Honors or Principles of Engineering Honors Business Management Accounting & Business Ethics Honors Marketing & Finance Honors	Intro to Comp. Programming Honors or AP Computer Science A CCNA Honors or Adv. CCNA Honors, STARS Intro to Engineering Design Honors, Principles of Engineering Honors, or Engineering Design & Development-H Business Management Accounting & Business Ethics Honors Marketing & Finance Honors
Non-Departmental Electives			
Curriculum Assistance	Curriculum Assistance	Curriculum Assistance or Study Hall	Curriculum Assistance or Study Hall

POWERSCHOOL STUDENT REGISTRATION INFO

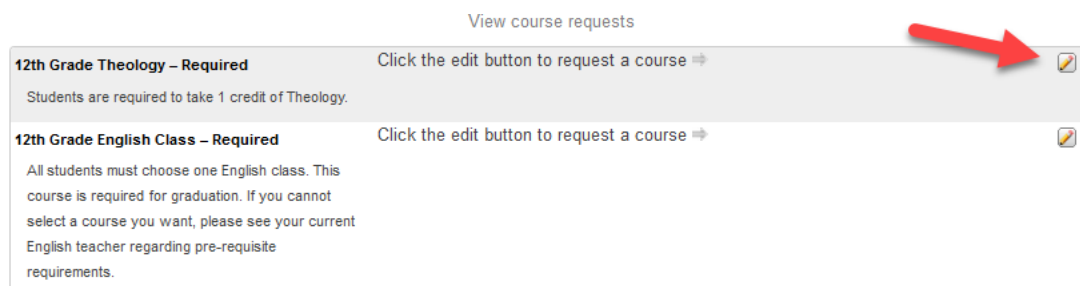
Instructions on how to register for classes using the PowerSchool Student Portal

1. Students must register on PowerSchool
2. Students must select a minimum of 6 credits.
3. Course selection is due on February 14, 2020.
4. All placement and waiver conversations with educators should be completed by February 14, 2020.

1. Login to PowerSchool and Click the “Course Registration” icon.



2. Read the instructions regarding registration as they vary by grade level.
3. Click on the first pencil icon to access the first required course: Theology



Theology - Rising 12th grade

- A. Choose two (2) semester classes for Theology and click Okay
- B. Choices should appear with a green check mark

12th Grade Theology - Required
Students are required to take 1 credit of Theology.

<input checked="" type="checkbox"/>	Course Name	Number	Course Description	Credits	Prerequisite Note	Alerts
<input type="checkbox"/>	Catholic Missions	THE420		0.5		
<input type="checkbox"/>	Foundations of Catholic Worldview	THE408		0.5		
<input type="checkbox"/>	Peace and Justice I	THE406		0.5		
<input type="checkbox"/>	World Religions	THE418		0.5		

<< first < prev 1 next > last >>

You may select 2 courses. You have selected 0 courses.

Cancel Okay

Theology - Rising 9th-11th - Theology is preselected for each student

11th Grade Theology - Required
Students are required to take 1 credit of Theology.

Theology 11
THE304 - 1 credits

Click the edit button to request a course

4. Click on the second pencil icon to access the second required course: English

- Choose one (1) English class and click Okay
- Choices should appear with a green check mark
- Placement determined by Grade and/or PSAT

11th Grade English Class - Required
All students must choose one English class. This course is required for graduation. If you cannot select a course you want, please see your current English teacher regarding pre-requisite requirements.

<input checked="" type="checkbox"/>	Course Name	Number	Course Description	Credits	Prerequisite Note	Alerts
<input type="checkbox"/>	AP English Language & Composition	ENG500		1	Students enrolled in AP English 11 must have successfully completed English 10 Honors earning a grade of B+ or better or successfully completed English 10 with a grade of A or better. Students must also earn a score of 590 on the PSAT reading section. Both of those requirements satisfy the teacher recommendation.	Prerequisites have not been met
<input type="checkbox"/>	English 11	ENG300		1	Students enrolled in English 11 must have successfully completed English 10 earning a grade of a D or better.	
<input type="checkbox"/>	English 11 Honors	ENG310		1	Students enrolled in English 11 Honors must have successfully completed English 10 Honors earning a grade of B or better or	Prerequisites have not been met

Students need teacher recommendation to select certain classes.

This sample is for a rising 11th grader. Each grade level will have access to grade level courses.

Click the box for the course you are recommended for and you want to take.

5. Repeat this process for each required class and any electives

Look at pages 11-15 to see grade level specific course requirements and as well as Graduation Requirements.

6. Complete registration and check selections

Crs Num	Course	Type	Cr Hrs	Prerequisite Notes
1. ENG501	AP English 12	Required	1.00	Students enrolled in AP English 12 must have successfully completed AP English 11 Honors earning a grade of B or better, successfully completed English 11 Honors earning a B+ or better or successfully completed English 11 earning a grade of A or better. Students must also earn a 110 combined score on PSAT. Both of those requirements satisfy the teacher recommendation.
2. MAT420	Calculus Honors	Required	1.00	Students enrolled in Calculus Honors must have successfully completed Pre-Calculus Honors earning a grade of C or better or successfully completed Pre-Calculus earning a grade of B or better. Meeting the grade requirement in any one of these two classes fulfills the requirement for a recommendation from the current math teacher.
3. SOC400	US Government	Required	0.50	All Rising Seniors are required to take US Government.
4. SOC410	Economics	Required	0.50	All Rising Seniors are required to take Economics.
5. THE400	Christian Vocation and Ministry for Lead	Required	0.50	
6. THE406	Peace and Justice	Required	0.50	
7. ART114	Introduction to Clay	Elective	1.00	This course is available for any rising Junior or Senior.
8. MED321	Yearbook III Honors	Elective	1.00	
9. SOC503	AP Environmental Science	Elective	1.00	Students enrolled in AP Environmental Science must have successfully completed Chemistry earning a grade of B+ or better or earning a B or better in Chemistry Honors in order to be recommended their Science teacher.
Total Credit Hours Requested			7.00	

Make sure these are the classes you want to take!

Students must have a minimum of 6 classes.

7. Navigating around the Course Registration Screens

Prerequisite notes - use these as a guide for placement and educator recommendation.

Course Name	Number	Course Description	Credits	Prerequisite Note	Alerts
AP English Language and Composition	ENG500		1	Students enrolled in AP English 11 must have successfully completed English 10 Honors earning a grade of B+ or better or successfully completed English 10 with a grade of A or better. Students must also earn a score of 590 on the PSAT reading section. Both of those requirements satisfy the teacher recommendation.	Prerequisites have not been met

You can also check the PR Note from the course selection screen



Accessing more classes within a course area

Course Name	Number	Credits	Prerequisite Note
Art II	ART210	1	Students enrolled in Art II must have successfully completed Art I and students must obtain a teacher recommendation. Students will be able to enroll in the Honors Option for this course at the start of the semester.
Band I	ART152	1	
Band II	ART254	1	

Use these numbers to navigate through various screens.

<< first < prev 1 2 3 4 5 next > last >>

You may select up to 2 courses. You have selected 0 courses.

Cancel Okay

Use this box to select the course you want.

When you have selected on any given screen - click "Okay"

REGISTRATION INFORMATION BY GRADE LEVEL

CLASS OF 2024 - FRESHMEN

Core Course Requirements

Department	Course	Credit
Theology	Theology 9	1.0
English	English 9 or English 9 Honors	1.0
Math	Essential Math I, Math I, Essential Math II, Math II, Math II Honors, Math III, Math III Honors, Precalculus, or Precalculus Honors	1.0
Science	Biology or Biology Honors	1.0
BTE	Gibbons Freshman Seminar	1.0

Electives - Review Course of Studies for Complete Listing

Department	Course	Credit
Fine Arts*	Tech Theatre, Drama, Art, Women's and Men's Choral Ensembles, Dance, Guitar, Percussion, String Orchestra, Band, Media *CGHS requires 1 year of a Fine Art to graduate. Freshmen who enroll in a Fine Art commit to two years of the same Fine Art Program. See the Physical Education Deferment description on page 5. See course descriptions regarding audition or portfolio submission in order to enroll in one of these courses.	1.0
Physical Education	Men's Fitness 9/10, Women's Fitness 9/10	1.0
World Languages**	French, Latin, or Spanish (Levels I-IV, Honors and AP options) **CGHS requires 2 years in the same World Language to graduate	1.0
Various	Intro to Computer Programming Honors, STARS, or Curriculum Assistance	1.0

Freshmen Required Courses

- Theology 9
- English 9 (CP or Honors)
- Freshman Seminar
- Math
- Biology (CP or Honors)
- Fine Arts, BTE, or PE
- World Languages

Graduation Requirements

- 4 Credits in Theology
- 4 Credits in English
- 4 Credits in Math (*1 course above Math III*)
- 3 Credits in Social Studies
- 3 Credits in Science (*Biology required & another physical science*)
- 2 Credits in the same World Language
- 1 Credit in Fine Arts
- 1 Credit in PE
- 1 credit in Gibbons Freshman Seminar

CLASS OF 2023 - SOPHOMORES

Core Course Requirements

Department	Course	Credit
Theology	Theology 10: Hebrew and Christian Scriptures	1.0
English	English 10, English 10 Honors	1.0
Social Studies*	World History, World History Honors, AP World History *World History placement is based on your 9 th grade Semester 1 English grade.	1.0
Math	Essential Math II, Math II, Math II Honors, Math III, Math III Honors, Precalculus, or Precalculus Honors	1.0
Science	Earth Science, Earth Science Honors, Chemistry, or Chemistry Honors	1.0

Electives - Review Course of Studies for Complete Listing

Department	Course	Credit
Fine Arts*	Tech Theatre, Drama, Art, Women's and Men's Choral Ensembles, Dance, Guitar, Percussion, String Orchestra, Band, Media * CGHS requires 1 year of a Fine Art to graduate. Freshmen who enroll in a Fine Art commit to two years of the same Fine Art Program. See the Physical Education Deferment description on page 5. See course descriptions regarding audition or portfolio submission in order to enroll in one of these courses.	1.0
World Languages**	French, Latin, or Spanish (Levels I-IV, Honors and AP options) **CGHS requires 2 years in the same World Language to graduate	1.0
Various	Intro to Computer Programming Honors, AP Computer Science, STARS, CCNA Honors, Introduction to Engineering and Design Honors, Principles of Engineering Honors, Men's and Women's Fitness 9/10, Strength & Conditioning II, Curriculum Assistance	1.0

Sophomore Required Courses

- Theology 10
- English 10 (CP or Honors)
- World History (CP, Honors, or AP)
- Math
- Science
- Fine Arts*
* CGHS requires 1 year of a Fine Art to graduate. Many students take a Fine Art in their Sophomore year.

Graduation Requirements

- 4 Credits in Theology
- 4 Credits in English
- 4 Credits in Math (*1 course above Math III*)
- 3 ½ Credits in Social Studies
- 3 Credits in Science (*Biology required & another physical science*)
- 2 Credits in the same World Language
- 1 Credit in Fine Arts
- 1 Credit in Health and PE **
- ½ credit in Technology Skills**

* CGHS requires 1 year of a Fine Art to graduate.

**Last year for this requirement was 2019-2020.

CLASS OF 2022 - JUNIORS

Core Course Requirements

Department	Course	Credit
Theology	Theology 11: Catholic Church History	1.0
English	English 11, English 11 Honors, AP English Lang. and Comp.	1.0
Social Studies	U.S. History, U.S. History Honors, AP U.S. History	1.0
Math	Essential Math III, Math III, Math III Honors, Advanced Functions and Modeling, Advanced Functions and Modeling Honors Precalculus, or Precalculus Honors, Calculus Honors, AP Calculus AB, or BC	1.0
Science	Chemistry, or Chemistry Honors, AP Environmental Science, Physics, Physics Honors, or AP Chemistry	1.0

Electives - Review Course of Studies for Complete Listing

Department	Course	Credit
Fine Arts*	Tech Theatre, Drama, Integrated Arts Design Honors, Art, Women's and Men's Choral Ensembles, Dance, Guitar, Percussion, String Orchestra, Band, Media <small>*CGHS requires 1 year of a Fine Art to graduate. Freshmen who enroll in a Fine Art commit to two years of the same Fine Art Program. See the Physical Education Deferment description on page 5. See course descriptions regarding audition or portfolio submission in order to enroll in one of these courses.</small>	1.0
World Languages**	French, Latin, or Spanish (Levels I-IV, Honors and AP options) <small>**CGHS requires 2 years in the same World Language to graduate</small>	1.0
Various	Accounting, Marketing, Intro to Comp Programming Honors, AP Comp Science A, STARS, CCNA Honors, Adv. CCNA Honors, Intro to Engineering Design Honors, Principles of Engineering Honors, Multicultural Lit, Transnational Lit, Introduction to Film, Creative Writing Honors, Public Speaking, Forensics, Marine Ecology, Astronomy, Psychology, Sociology, Men's and Women's Fitness 11/12, Strength & Conditioning II or III Honors, Curriculum Assistance, or Study Hall	1.0

Junior Required Courses

- Theology 11 Honors
- English 11 (CP, Honors, or AP)
- US History (CP, Honors, or AP)
- Math
- Science

Graduation Requirements

- 4 Credits in Theology
- 4 Credits in English
- 4 Credits in Math (*1 course above Math III*)
- 3 ½ Credits in Social Studies
- 3 Credits in Science (*Biology required & another physical science*)
- 2 Credits in the same World Language
- 1 Credit in Fine Arts
- 1 Credit in Health and PE *
- ½ credit in Technology Skills*

*Last year for this requirement was 2019-2020.

CLASS OF 2021 - SENIORS

Core Course Requirements

Department	Course	Credit
Theology	World Religions Honors, Catholic Vocations Honors, Foundations of Catholic Worldview Honors, Peace and Justice Honors	1.0
English	English 12, English 12 Honors, AP English Lit.	1.0
Social Studies	U.S. Government, U.S. Government Honors, AP U.S. Government, Economics, Economics Honors	1.0
Math	Discrete Math, Intro to College Math, Intro to Data Science Honors, Advanced Functions and Modeling, Advanced Functions and Modeling Honors, Precalculus, Precalculus Honors, Calculus Honors, AP Calculus AB or BC, AP Statistics, MV Calculus, Diff Equations	1.0

Electives - Review Course of Studies for Complete Listing

Department	Course	Credit
Science	AP Chemistry, AP Physics C, AP Bio, AP Environmental Science, Physics, Physics Honors, Anatomy and Physiology Honors, Marine Ecology, Forensics, or Astronomy	1.0
Fine Arts*	Tech Theatre, Drama, Integrated Arts Design Honors, Art, Women's and Men's Choral Ensembles, Dance, Guitar, Percussion, String Orchestra, Band, Media	1.0
World Languages**	French, Latin, or Spanish (Levels I-IV, Honors and AP options) **CGHS requires 2 years in the same World Language to graduate	1.0
Various	Accounting, Marketing, Business Management, Intro to Comp Programming Honors, AP Comp Science A, STARS, CCNA Honors, Adv. CCNA Honors, Intro to Engineering Design Honors, Principles of Engineering Honors, Engineering Design and Development Honors, Multicultural Lit, Transnational Lit, Introduction to Film, Creative Writing Honors, Public Speaking, Psychology, Sociology, Men's and Women's Fitness 11/12, Strength & Conditioning II, III or IV Honors, Curriculum Assistance, or Study Hall	0.5-1.0

* CGHS requires 1 year of a Fine Art to graduate.

Senior Required Courses

- Theology
- English 12 (CP, Honors, or AP)
- US Government (CP, Honors, or AP)
- Economics (CP or Honors)
- Math

Graduation Requirements

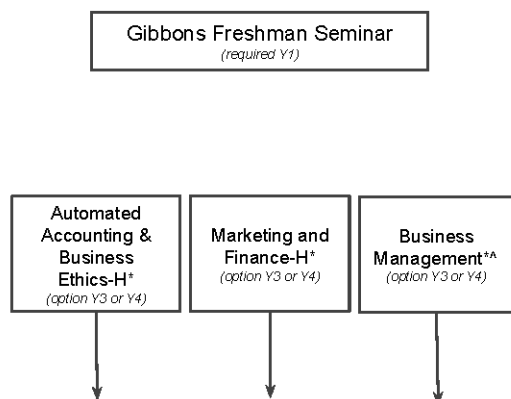
- 4 Credits in Theology
- 4 Credits in English
- 4 Credits in Math (*1 course above Math III*)
- 3 ½ Credits in Social Studies
- 3 Credits in Science (*Biology required & another physical science*)
- 2 Credits in the same World Language
- 1 Credit in Fine Arts
- 1 Credit in Health and PE *
- ½ credit in Technology Skills*

*Last year for this requirement was 2019-2020.

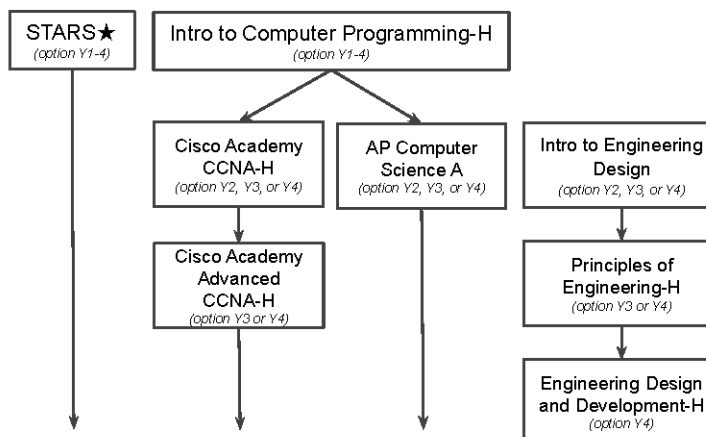
BUSINESS, TECHNOLOGY, ENGINEERING (BTE)

Business, Technology, Engineering Department Course Pathways

BUSINESS



TECHNOLOGY AND ENGINEERING



*Indicates semester course

^Indicates a zero-period course

Business Management does not satisfy the department graduation requirement.

★STARS can be taken multiple years.

Course: Gibbons Freshman Seminar

Grade Level(s): 9

Course Prerequisites: None

Credit: 1.0

Description: The Gibbons Freshman Seminar implements a technologically-blended learning approach where educators facilitate student discovery of passions and pathways to build student leadership capacity for academic, personal, spiritual, and professional growth. This course acclimates students to the 1:1 program and Gibbons culture while also exposing them to opportunities tied to careers, passions, and interests. Students learn to incorporate health and wellness practices through experiences that promote social and emotional awareness.

Course: Automated Accounting/Business Ethics Honors

Grade Level(s): 11 and 12

Course Prerequisites: Technology Skills

Credit: 0.5

Description: This course gives an overview of the basic principles of accounting using the computer. It teaches computerized accounting and accounting spreadsheet applications using a hands-on approach. Students will learn realistic accounting transactions for a variety of business applications and general financial statements, spreadsheets and other management information reports. Additionally, students will explore business ethics. Emphasis will be placed on critical thinking in analyzing conflicts and making ethical decisions. Topics include bioethics, entertainment, and cultural diversity. Students are exposed to a variety of primary source documents related to ethics. The ethics are integrated into the Accounting curriculum with a study of how both disciplines affect students' everyday life.

BTE *(Continued)*

Course: Marketing and Finance Honors

Grade Level(s): 11 and 12

Course Prerequisites: Technology Skills

Credit: 0.5

Description: This course is designed to introduce students to the basic concepts and practices, analytical methods of marketing, as well as the role of marketing in business. Students will study the foundations and functions involved in successful marketing of goods, services, and ideas to consumers and businesses. Topics covered include economics, the evolution of 20th century marketing theory and practices, marketing research, marketing strategy, consumer behavior, product planning & development, pricing, advertising, promotion, ethics, self-marketing, and career exploration. Business finance and budgeting will also be explored. Students participate in learning through class discussions, projects, case studies, current event analysis/presentations, and through industry expert guest speakers.

Course: Introduction to Computer Programming Honors

Grade Level(s): ALL

Course Prerequisites: Rising 9th grade students will complete a placement test prior to the start of the school year.

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Students will be introduced to the fundamental knowledge of algorithms, problem solving, and logic structures typical in many programming languages. Code HS introduction to computer science teaches the foundations of computer science and basic programming. Once students complete the course, they will have learned material equivalent to a semester of a college introductory course in Computer Science and be able to program in JavaScript.

Course: AP Computer Science A

Grade Level(s): 10, 11, and 12

Course Prerequisites: Introduction to Computer Programming Honors

PSAT: ERW- None/ Math None

Credit: 1.0

Description: The AP Computer Science A course allows students a continuation from Introduction to Programming to really deepen their knowledge of programming. The curriculum focuses on object oriented programming and creating and manipulating data structures. This AP class is designed to help students master the Java programming language and equip them to successfully pass the AP Computer Science A Exam at the end of the school year.

BTE *(Continued)*

Course: Introduction to Engineering Design (Honors Option)

Grade Level(s): 10, 11, and 12

Course Prerequisites: None

Recommended: Art I or Introduction to Computer Programming Honors

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work. This course is a foundation course for the Cardinal Gibbons Engineering Academy and will be a prerequisite for further courses in our Engineering Academy. Students looking for enrichment in Engineering will have opportunities with our competitive robotics team.

Course: Principles of Engineering Honors

Grade Level(s): 11 and 12

Course Prerequisites: Introduction to Engineering Design

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Principles of Engineering is the second course of our Engineering Academy pathway. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Motivated students may further their study in our competitive robotics club.

Course: Engineering Design and Development Honors

Grade Level(s): 12

Course Prerequisites: Principles of Engineering

PSAT: ERW- None/ Math None

Credit: 1.0

Description: The knowledge and skills students acquire throughout the Engineering Programs come together in PLTW Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting the solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

Course: CCNA Honors

Grade Level(s): 10, 11, and 12

Course Prerequisites: Introduction to Computer Programming

Credit: 1.0

Description: This is a full-year course in network technologies utilizing the first two of four courses in the Cisco Academy Routing and Switching curriculum: Introduction to Networks and Routing and Switching Essentials. Topics include the OSI and TCP/IP models and protocols, planning and implementing an addressing structure, configuring network switches and routers, static and dynamic routing, routing protocols, switching, virtual LANs, and network troubleshooting. Course work will consist of lecture, independent work on the Internet, and hands-on labs with state-of-the-art Cisco equipment and software. At the completion of this course, students will prepare to take the CCNA ICND1 exam. If passed at an independent testing center, they will be qualified for a Cisco Certified Entry Network Technician (CCENT) certification.

BTE *(Continued)*

Course: Advanced CCNA Honors

Grade Level(s): 11 and 12

Course Prerequisites: CCNA Honors and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This is the culminating course for students desiring an advanced study of Cisco Networking Technologies utilizing the final two of four courses in the Cisco Academy Routing and Switching curriculum: Scaling Networks and Connecting Networks. Topics include: LAN design, LAN switching (including Virtual LAN, Virtual Trunking Protocol, and (Rapid) Spanning Tree Protocol), inter-VLAN routing, and basic wireless concepts and configuration, Point-to-Point Protocol, Frame Relay, network security and Access Control Lists, Broadband services, VPN Technology, IP security protocols, IP addressing services, and network troubleshooting. Course work will consist mostly of independent work in and out of class with hands-on labs using state-of-the-art Cisco equipment and software. At the end of this course, students will prepare to take either the CCNA ICND2 Routing and Switching (if already CCENT certified) or the CCNA Routing and Switching Composite exam at an independent testing service to qualify for a Cisco Certified Network Associate (CCNA) certification.

Course: STARS (Student Technology Assistant Resource & Support)

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: STARS students should have an interest in providing IT assistance to their peers, educators and the Gibbons community. Effective IT support is conducted through communication and teamwork. STARS will work closely with the Director of Technology and other IT staff at the school to identify and resolve both software and hardware issues. Students will gain authentic hands-on experience troubleshooting and problem-solving common computer issues through their work with the IT staff and the student IT support desk as we support our 1:1 device program. A grade of Pass or Fail is given for this course.

Course: Business Management

Grade Level(s): 11 and 12

Course Prerequisites: None

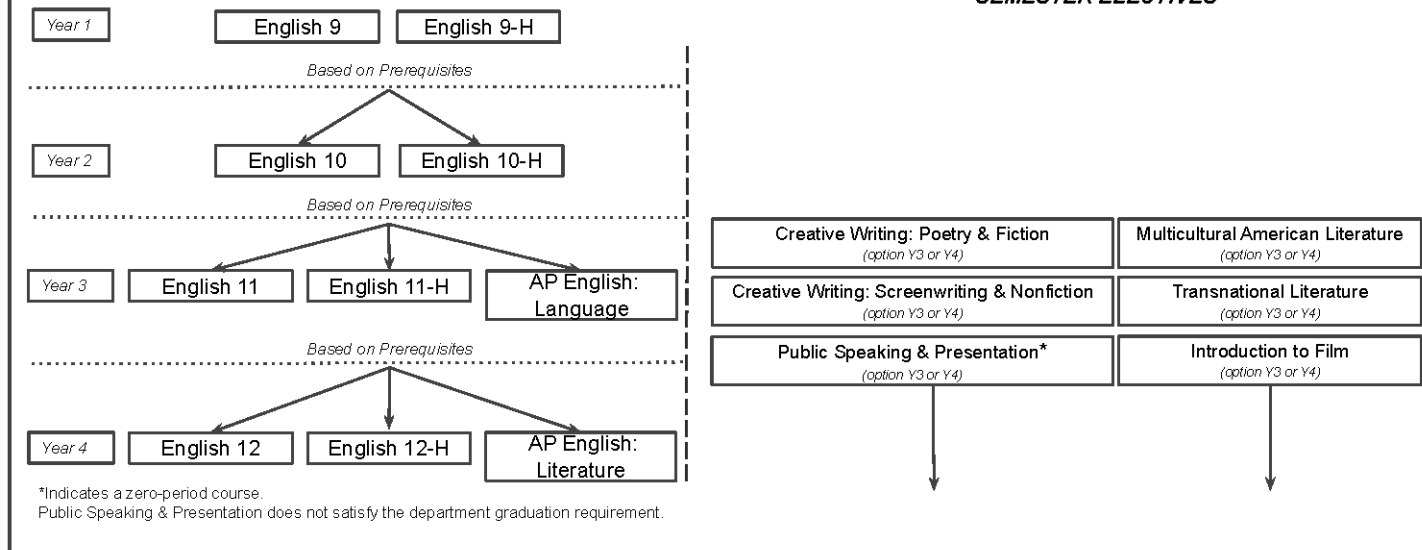
Credit: 0.5

Description: This zero-period course offers an overview for student understanding of business management, including customer relationship management, human resources management, information management, knowledge management, product-development management, project management, quality management, and strategic management. Economics, finance, and professional development are also covered throughout the course. Work-based learning strategies appropriate for this course may include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Students can register for this class by submitting the Special Request Form: www.cghsnc.org/specialrequest. This course does not satisfy the BTE graduation requirement.

ENGLISH

English Course Department Pathways

SEMESTER ELECTIVES



Course: English 9

Grade Level(s): 9

Course Prerequisites: Completion of 8th grade English

PSAT: ERW- None/ Math None

Credit: 1.0

Description: The freshman course emphasizes the development of the basic English skills of grammar, composition, reading and vocabulary, and the importance of organization, structure, and the revision process as vital components of effective writers. Composition focuses on expository, descriptive, narrative, and analytical writing. Literature study focuses on the genres of fiction, nonfiction, drama, and poetry. Students are encouraged to approach literature as a source of enjoyment as well as an art form. A multi-media approach to learning is used throughout the year. Vocabulary development is implemented through the use of online programs and the study of vocabulary in the context of the literature. Basic research skills are introduced and culminate in a required documented research paper.

Course: English 9 Honors

Grade Level(s): 9

Course Prerequisites: Minimum average of an A in 8th grade English, CGHS placement test, and writing sample

PSAT: ERW- None/ Math None

Credit: 1.0

Description: English 9 Honors provides an accelerated study of grammar, composition, reading, and vocabulary. Emphasis is placed on reading and critical analysis of the various literary genres of fiction, nonfiction, drama, and poetry. An intensive writing program emphasizes the importance of organization, structure, and the revision process as vital components of effective writers. Composition focuses on expository, narrative, descriptive, and analytical writing. A multi-media approach to learning is used throughout the year. Vocabulary development is implemented through the use of online programs and the study of vocabulary in the context of the literature. Basic research skills are introduced and culminate in a required documented research paper.

ENGLISH *(Continued)*

Course: English 10: American Literature

Grade Level(s): 10

Course Prerequisites: Completion of English 9

PSAT: ERW- None/ Math None

Credit: 1.0

Description: English 10 is a survey of American literature from the pre-Colonial period to the present. Students read and are taught to analyze works of fiction and nonfiction. The writing component builds on the previous year's emphasis of essay construction, with continued emphasis on grammar, mechanics, and revision as important parts of the writing process. Vocabulary development is implemented through the use of online programs and the study of vocabulary in the context of the literature. A multi-media approach to learning is used throughout the year. Research skills are reinforced with the completion of a required documented research paper.

Course: English 10 Honors: American Literature

Grade Level(s): 10

Course Prerequisites: Minimum average of a B+ in English 9 Honors or an A in English 9 and Educator Recommendation

PSAT: ERW- 510/ Math None

Credit: 1.0

Description: English 10 Honors is a survey of American literature from the pre-Colonial period to contemporary authors. The literature is presented within the context of the social and historical forces which shaped it. Through representative readings from various literary genres, students learn about their cultural heritage, develop strategies for reading critically, improve upon language skills necessary for clear and effective communication, and expand their vocabulary. The writing component builds on the previous year's emphasis of essay construction, with continued emphasis on grammar, mechanics and revision as important parts of the writing process. Vocabulary development is implemented through the use of online programs, and the study of vocabulary in the context of the literature. A multi-media approach to learning is used throughout the year. Research skills are reinforced with the completion of a required documented research paper.

Course: English 11: British Literature

Grade Level(s): 11

Course Prerequisites: Completion of English 10

PSAT: ERW- None/ Math None

Credit: 1.0

Description: British literature is a year-long course that provides a survey of representative genres from the Anglo-Saxon period to the modern day. Composition focuses on critical analysis of literature covered in class as well as outside parallel readings, and emphasizes the development of an argument, providing textual evidence as support. Vocabulary development is implemented through the use of online programs and the study of vocabulary in the context of the literature. Preparation for the SAT includes attention to both vocabulary in context and various analytical skills in reading fiction and nonfiction passages. A multi-media approach to learning is used throughout the year. A research / thesis paper is a requirement of the class.

ENGLISH *(Continued)*

Course: English 11 Honors: British Literature

Grade Level(s): 11

Course Prerequisites: Minimum average of a B+ in English 10 Honors or an A in English 10 and Educator Recommendation

PSAT: ERW- 550/ Math None

Credit: 1.0

Description: Designed as a preparation for English 12 Honors or AP English, this course provides a year-long study of British literature from the Anglo-Saxon period to the present. Students are challenged to analyze literature and generate class discussion from their understanding of literary concepts such as point of view, diction, style, theme, and purpose. Writing skills are further developed, with the focus on making an argument, using textual support to validate an opinion and effectively incorporating quotes into an analysis. Self-assessment, revision, and rewriting are integral parts of the writing process in this class. Students are encouraged to develop voice and a personal style in their writing. Preparation for the SAT and ACT includes attention to both vocabulary in context and various analytical skills in reading fiction and nonfiction passages. A multi-media approach to learning is used throughout the year. A research/thesis paper is a requirement of the class.

Course: AP English Language and Composition

Grade Level(s): 11

Course Prerequisites: Minimum average of a B+ in English 10 Honors or an A in English 10 and Educator Recommendation

PSAT: ERW- 590/ Math None

Credit: 1.0

Description: AP English Language and Composition enables students to become skilled readers of complex texts written in a variety of periods, disciplines, and rhetorical contexts, and to become skilled writers who compose prose for a variety of purposes in order to communicate effectively with mature readers. The course allows students to write in narrative, exploratory, expository, and argumentative forms and on many different subjects ranging from personal experience to literary analysis. English Language and Composition prepares students for the writing that forms the basis of academic and professional communication as well as the personal and reflective writing that fosters the development of writing facility in any context. The course demands work equivalent to that of an introductory college course. A multi-media approach to learning is used throughout the year. Students study an advanced vocabulary curriculum designed for post-secondary students. Students will be responsible to complete a summer assignment for this course.

Course: English 12: World Literature

Grade Level(s): 12

Course Prerequisites: Completion of English 11

PSAT: ERW- None/ Math None

Credit: 1.0

Description: World Literature is a study of selected major works from both eastern and western civilizations. Set within a historical context, the ancient and modern literature explores the intellectual, moral, and ethical orientation of the diverse cultures of humanity. Writing and research are an integral part of the course. Vocabulary development is implemented through the use of online programs and the study of vocabulary in the context of the literature. A multi-media approach to learning is used throughout the year. Completion of a thesis paper is a requirement for graduation.

ENGLISH *(Continued)*

Course: English 12: World Literature Honors

Grade Level(s): 12

Course Prerequisites: Minimum average of a B+ in English 11 Honors or an A in English 11 and Educator Recommendation

PSAT: ERW- 570/ Math None

Credit: 1.0

Description: Honors World Literature is an intensive year-long course that gives students an overview of the literature of many peoples and cultures. Much comparative work is done with the class comparing the genres from culture to culture. Emphasis is on understanding the world through a study of literature that reflects the social, religious, and philosophical practices of a people. Composition focuses on critical analysis of literature covered in class. Emphasis is placed on the research process throughout the year. This course is designed for the student who needs and can rise to the challenges of an English course that is beyond the expectations of the college preparatory literature course. A humanities approach to learning is used throughout the year. Vocabulary development is implemented through the use of online programs and the study of vocabulary in the context of the literature. A multi-media approach to learning is used throughout the year. Completion of a thesis paper is a requirement for graduation.

Course: AP English Literature and Composition

Grade Level(s): 12

Course Prerequisites: Minimum average of a B in AP Language, B+ in English 11 Honors, or an A in English 11 and Educator Recommendation

PSAT: ERW- 590/ Math None

Credit: 1.0

Description: AP English Literature and Composition provides students with a course in composition and literary analysis. Through the close study of literary works of all genres and diverse cultures, students develop critical standards for appreciating and evaluating literature. They further sharpen their awareness of language and their understanding of the writer's craft. The course demands work equivalent to that of an introductory college course. Vocabulary development is implemented through the use of online programs and the study of vocabulary in the context of the literature. A multi-media approach to learning is used throughout the year. Students will be responsible to complete a summer assignment for this course. Completion of a thesis paper is a requirement for graduation.

Course: Creative Writing: Poetry and Fiction Honors

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: Science now has the tools to prove what readers and writers have always known: people are hardwired for stories. We use language to build worlds. Through writing exercises, class discussion, video clips, readings, and extensive feedback, students will explore how fiction and poetry achieve their effects. Each student will complete a portfolio that includes flash and short fiction, formal and free verse poetry, and will submit selected pieces to the school literary magazine as well as to literary contests and to magazines such as Teen Ink.

ENGLISH *(Continued)*

Course: Creative Writing: Screenwriting and Nonfiction Honors

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: Narratives and stories are how we explain the world to others and to ourselves, and language is how we create worlds of our own to share with readers and audiences. Through writing exercises, class discussion, video clips, readings, and extensive feedback, students will explore how screenwriting and creative nonfiction achieve their effects. Each student will complete a portfolio that includes a short film script, portions of a feature film script, and personal essays on topics of their choice, and will submit selected pieces to magazines such as Teen Ink.

Course: Introduction to Film (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: Introduction to Film provides a general introduction to the history of American film, its language, and chief directors. Specifically, this elective examines selected major films in terms of the genres from which they emerge. The course also examines technical elements of filmmaking and screenwriting, the financial and economic impact of the industry, and the evolution of film as art since inception. In addition, the course seeks to discover ways in which films reflect a given society at a specific point in time. Introduction to Film requires visual, oral, and written analysis of films presented in class.

Course: Multicultural American Literature (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: This elective course will be an introductory survey of literature from the perspectives of American writers belonging to a variety of cultural, ethnic, religious, and racial backgrounds. Students will read contemporary short stories, novels, plays, poems, and informational texts to study how historical context and cultural influence impact the diversity of the American experience. This is a seminar course that will rely upon assigned reading and independent research, participation in class discussion, and academic and informal writing responses. Novels that may be studied are Sherman Alexie's *The Absolutely True Diary of a Part-time Indian*, James McBride's *The Color of Water*, and Cristina Henríquez's *The Book of Unknown Americans*.

ENGLISH *(Continued)*

Course: Transnational Literature (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: This elective course will be an introduction to contemporary World Literature that has been written in or translated into English. Students will read a variety of short stories, novels, plays, poems, and informational texts to identify universal themes across cultures. This is a seminar course that will rely upon assigned reading and independent research, participation in class discussion, and academic and informal writing responses. Novels that may be studied are Joy Kogawa's *Obasan*, Chimamanda Ngozi Adichie's *Purple Hibiscus*, and Rajaa Alsanea's *Girls of Riyadh*.

Course: Public Speaking and Presentation

Grade Level(s): 11 and 12

Course Prerequisites: None

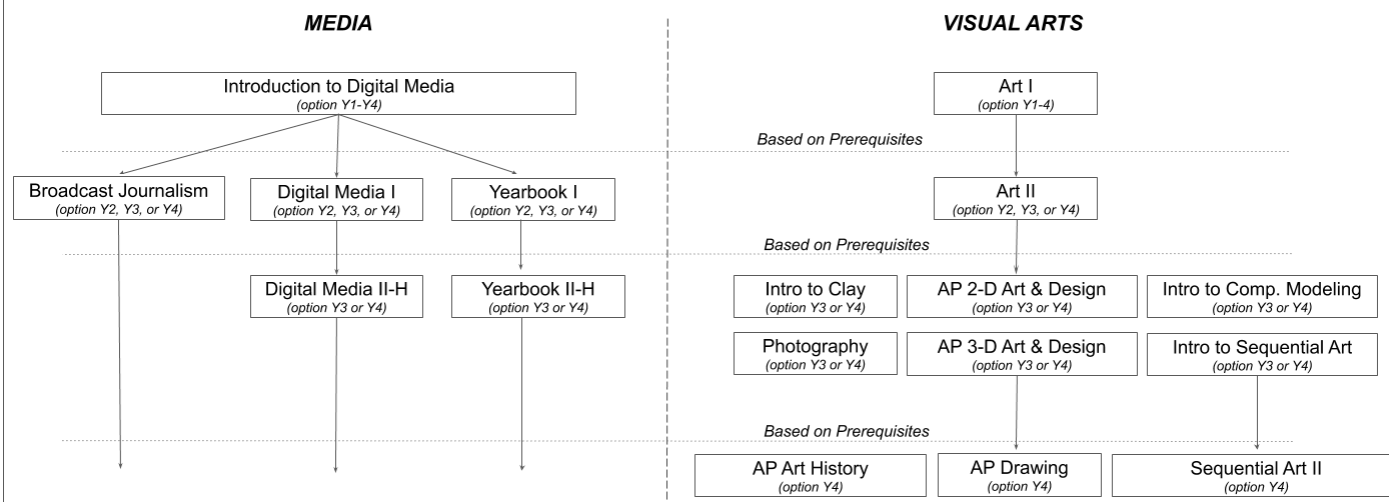
PSAT: ERW- None/ Math None

Credit: 0.5

Description: Public Speaking and Presentation is a zero-period course which provides a general introduction to and extensive practice in the art of communication and different kinds of speeches. This elective examines the elements of what makes an effective speech, specifically speeches to inform, to persuade, and to entertain varying audiences in different settings. Public Speaking and Presentation will develop both writing and presentation skills through a series of class experiences that provide many opportunities to practice and perfect speech creation and delivery. It also requires analysis of speeches and peer reviews that will improve students' public speaking abilities over the course of this class. This class has online requirements and is offered from 7:00-7:45 a.m. two days per week. This course does not satisfy the English graduation requirement.

FINE ARTS: MEDIA

Fine Arts Department: Media and Visual Arts Course Pathways



Course: Introduction to Digital Media*

Grade Level(s): ALL

Course Prerequisites: none

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Introduction to Digital Media exposes students to the basic application of the theories, skills, and techniques used in digital storytelling and interactive media. Through a series of hands-on projects, students explore creative applications of interactive media through the integration of text, photographs, graphics, audio, and video. Emphasized skill focus include: basic web publication; proper social media usage including platforms such as Twitter and Instagram; basic digital photography, basic desktop and online publishing; Adobe InDesign and the Gibbons website. This course serves as a gateway to other media courses and allows students to prepare for entry into these courses. *See page 5 regarding PE Deferment for Rising 9th grade students.

FINE ARTS: MEDIA *(Continued)*

Course: Broadcast Journalism (Honors Option)

Grade Level(s): 10, 11, and 12

Course Prerequisites: Introduction to Digital Media I

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Broadcast Journalism introduces and applies skills, techniques, and critical thinking needed within the field of journalism. This course places an emphasis on learning through practical experience embedded within coverage of school events and interaction with campus media productions such as The Crusader online, podcasts, and videocasts. Students also focus on the theories behind radio and television writing/production, developing web content, and building digital social media portfolios for news reporting. Students are required to participate in events occurring after school and on weekends.

Course: Digital Media I (Honors Option)

Grade Level(s): 10, 11, and 12

Course Prerequisites: Introduction to Digital Media

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Digital Media I allows students to develop knowledge of the Adobe Academy and help prepare for Adobe ACA certification in Photoshop and InDesign. Students are exposed to digital media principles in the areas of graphic design, animation, audio/video production, and web design, demonstrating how all elements of media design and development work together. Students gain experience through real-world application to understand the roles and processes across a broad range of careers involving digital media. Students are required to participate in events occurring after school and on weekends.

Course: Digital Media II Honors

Grade Level(s): 11 and 12

Course Prerequisites: Digital Media I

PSAT: ERW- None/ Math None

Credit: 1.0

Description: The introductory concepts and curriculum learned in Digital Media I are taught with greater depth while emphasis is placed on application of skill using the industry-standard software. Collaboration occurs between courses, such as Theatre, Music, and Broadcast Journalism, to produce visual content, broadcasts, and other digital projects. Students create portfolios of their digital creations that showcase work and provide a viable tool to demonstrate abilities to prospective employers and post-secondary institutions. Students have the opportunity to earn their ACA certification in Premiere Pro. Students are required to participate in events occurring after school and on weekends.

FINE ARTS: MEDIA *(Continued)*

Course: Yearbook I (Honors Option)

Grade Level(s): 10, 11, and 12

Course Prerequisites: Introduction to Digital Media and yearbook teacher's approval or application and yearbook teacher's approval.

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Yearbook I is a production class focusing on learning and developing the skills necessary for the creation and publication of The Landmark yearbook. Yearbook students collaborate with each other and other media students to cover all the memorable Gibbons events throughout the year. Yearbook students also create and develop a unique yearbook theme, culminating in the publication of the yearbook and the yearbook supplement each year. Skill areas emphasized are: basic interviewing, basic news writing, basic yearbook design, using Yearbook Avenue, basic digital photography and basic photojournalism, and using school-provided DSLR cameras. Students will practice these skills by covering school events such as athletic games, arts performances, all-school Masses, etc. This course is designed for the serious and dedicated student and will require significant non-class time for maximum success.

Course: Yearbook II Honors

Grade Level(s): 11 and 12

Course Prerequisites: Yearbook I and Educator Recommendation

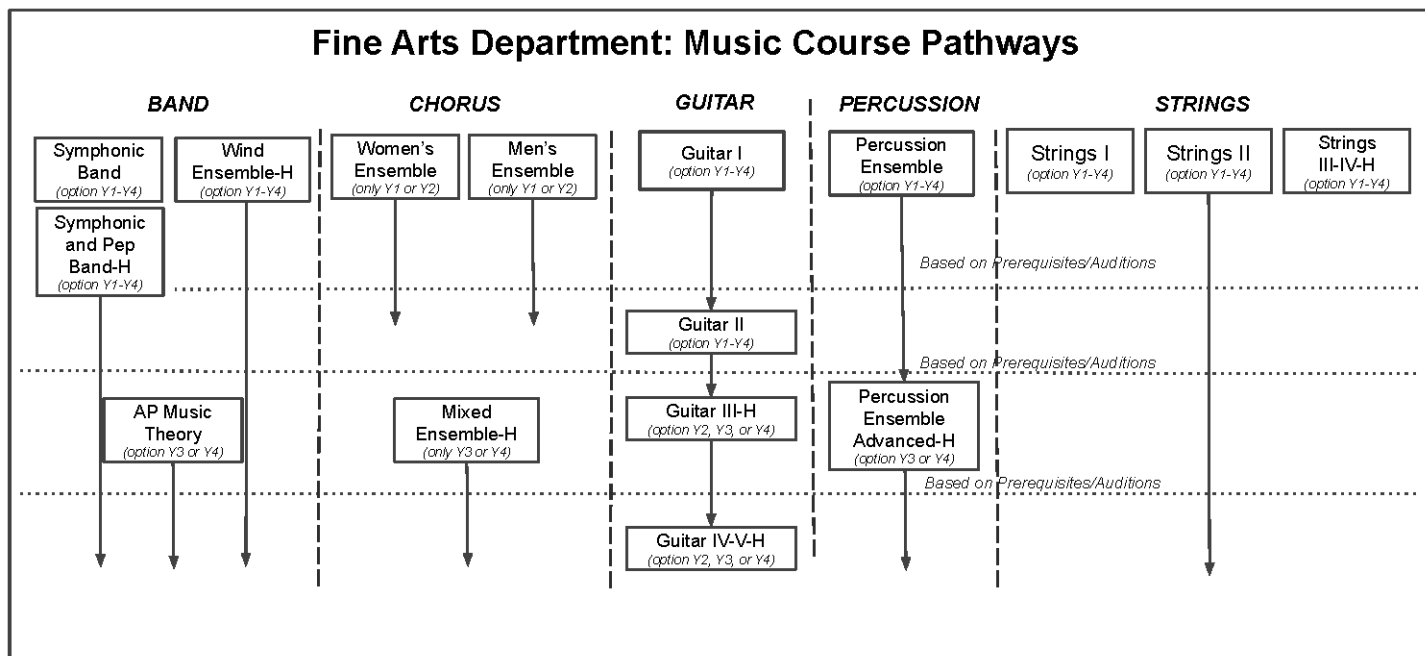
PSAT: ERW- None/ Math None

Credit: 1.0

Description: Yearbook II Honors is a production class focusing on developing students' leadership abilities, which will be necessary for the publication of The Landmark yearbook. Yearbook students collaborate with each other and other media students to cover all the memorable Gibbons events throughout the year. Students in Yearbook II Honors will be assigned leadership roles, such as Editor-in-Chief, Managing Editor, Layout Editor and Section Editor, and together will provide editorial control and direction for The Landmark. All students in Yearbook II Honors will be expected to model leadership and appropriate behavior to younger media staff members. Students will also further develop skills learned in Yearbook I, including: practicing advanced interviewing skills; providing leadership in yearbook planning, especially theme and ladder (page content) planning; planning and executing advanced, original yearbook designs; practicing advanced photojournalism techniques to ensure great photos for the yearbook. Students will practice these skills by covering school events such as athletic games, arts performances, all-school Masses, etc. This course is designed for the most serious and dedicated media students and will require significant non-class time for maximum success.

FINE ARTS: MUSIC

Fine Arts Department: Music Course Pathways



Course: Symphonic Band

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: Symphonic Band is open to all students with a desire to play a band instrument. Emphasis is placed upon teaching the fundamentals of music performance through daily rehearsals and an understanding of music theory. Students perform in on-campus concerts and have opportunities to participate in Pep Band, Graduation, and combining with the Wind Ensemble class. Students should provide their own instruments unless other arrangements are made with the instructor. Percussion students may take this class if they have two years of experience and they audition. Students may take this course in consecutive years. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: Symphonic and Pep Band Honors

Grade Level(s): ALL

Course Prerequisites: Audition

Credit: 1

Description: Symphonic and Pep Band Honors is open to all students with a desire to play a band instrument and audition for the instructor. Emphasis is placed upon teaching the fundamentals of music performance through daily rehearsals and an understanding of music theory. Students perform in on-campus concerts and have opportunities to participate in Pep Band, Graduation, and combining with the Wind Ensemble class. Students should provide their own instruments unless other arrangements are made with the instructor. Percussion students may take this class if they have two years of experience and audition. Students may take this course in consecutive years. *See Page 5 regarding PE Deferment for Rising 9th grade students.

FINE ARTS: MUSIC *(Continued)*

Course: Wind Ensemble Honors

Grade Level(s): ALL

Course Prerequisites: Symphonic Band or audition

Credit: 1.0

Description: Wind Ensemble is a course for students who have met the standards for Symphonic Band. Members learn aspects of playing an instrument including reading music, completion of music theory assignments each semester, and performing various wind band literature (Wind Ensemble, Pep Band, Jazz Band, and Small Ensemble). On and off-campus concerts, Cardinal Gibbons home football games, specified community parades, and outreach performances are all required. Home practice is expected, and private lessons are strongly encouraged to perform the music in this course. Students should provide their own instruments unless other arrangements are made with the instructor. Percussion students may take this class if they have three years of experience and they audition. Students may take this course in consecutive years. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: AP Music Theory

Grade Level(s): 11 and 12

Course Prerequisites: Educator Recommendation

Credit: 1.0

Description: AP Music Theory provides an opportunity to learn how musicians and composers make music including a deeper understanding how the music of today was created. Students study elements of pitch, rhythm, melody, chords, harmony, texture, and notation. Students also cover concepts in composition, musical cultures, and music history with a focus in European and American music. Students prepare for the College Board AP Music Theory exam and may qualify for college credit or placement, but one may also enroll in the course without intent to take the exam.

Course: Men's Choral Ensemble* (Honors Option in Year 2 only)

Grade Level(s): 9 and 10

Course Prerequisites: Grade 9: Audition or Educator Approval; Grade 10: None

Credit: 1.0

Description: This course is open to male students in the school who enjoy music and wish to become better singers and performers. Students will sing a variety of music including contemporary rock, pop, Barbershop, classical, and folk music. The class will emphasize rudimentary music theory, sight singing, and ear training. Students' proficiency in these areas will increase as they learn to read, rehearse, and perform various choral works of many different musical styles both sacred and secular. There will be many opportunities to participate in concerts, performances, and gigs throughout the area and in collaboration with other music groups at Cardinal Gibbons. Students may take this course in consecutive years; the Honors Option is only available to students in Year 2. *See page 5 regarding PE Deferment for Rising 9th grade students.

FINE ARTS: MUSIC *(Continued)*

Course: Women's Choral Ensemble* (Honors Option in Year 2 only)

Grade Level(s): 9 and 10

Course Prerequisites: Grade 9: Audition or Educator Approval; Grade 10: None

Credit: 1.0

Description: Women's Choral Ensemble is designed to expose the student to the art of choral singing at the high school level. Students are asked to audition in order to place voice parts. Emphases include rudimentary music theory, sight-singing, and ear training. The choir performs SSA and SSAA pieces, both accompanied and a cappella. Music reading is not a prerequisite for this course. Students' proficiency in these areas will increase as they learn to read, rehearse, and perform various choral works of many different musical styles-both sacred and secular. Participation in school Masses, on and off campus concerts, and performances with other music groups at Cardinal Gibbons is required. Students may take this course in consecutive years; the Honors Option is only available to students in Year 2. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: Mixed Choral Ensemble Honors

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: Mixed Choral Ensemble performs SAB and SATB music in a variety of styles. Students in this class will have previous experience in music and vocal performance. While our primary focus is performance, sight-reading, theory, and ear training proficiency will be emphasized during class. Participation in school Masses, on and off campus concerts, and performances with other music groups at Cardinal Gibbons is required. Solo and/or small group work will be encouraged.

Course: Guitar I*

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: This course introduces students to the basics of guitar and understanding music. The course will cover note reading, basic chords, rhythm, and basic music theory. Students are exposed to classical and current literature. No experience is required. Electric bassists can be accommodated in this course. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: Guitar II* (Honors Option)

Grade Level(s): ALL

Course Prerequisites: Guitar I or audition

Credit: 1.0

Description: In this course, students work on understanding more complicated rhythms as well as exploring higher positions on the neck of the guitar. Students learn bar chord chapes, finger picking, and many common chord progressions. Students are introduced to jazz concepts in addition to classical and current literature. Electric bassists can be accommodated in this course, but they are required to learn some guitar basics. Home practice is required. *See page 5 regarding PE Deferment for Rising 9th grade students.

FINE ARTS: MUSIC *(Continued)*

Course: Guitar III Honors

Grade Level(s): 10, 11, and 12

Course Prerequisites: Guitar II

Credit: 1.0

Description: This course covers advanced note reading, techniques, music theory, and improvisation. Students have more individualized parts and approach arranging in an ensemble setting as well as electric instrument basics. Home practice is required.

Course: Guitar IV-V Performance Honors

Grade Level(s): 10, 11, and 12

Course Prerequisites: Guitar III, audition, and interview

Credit: 1.0

Description: This course continues the exploration of advanced techniques, music reading, and arranging. Students compose their own pieces for an end-of-year performance. Additional performances are expected, and practice outside of class is required.

Course: Percussion Ensemble* (Honors Option in Year 2 only)

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: This course is designed for first-year high school students who are new to percussion. Students are introduced to playing all areas of percussion including snare drum, mallets (bells, vibes, xylophone) timpani, hand percussion (congo, bongos, etc.), and drum set. Students learn all the basic skills in reading music, music theory, and percussion history. Students are required to attend formal on-campus concerts and may participate in other opportunities such as Drum Line and Symphonic Band. Percussion students who wish to play in the Symphonic Band as a freshman should schedule a placement audition. A pair of "SD-1 General" drumsticks are required for the class. Students may take this course in consecutive years; the Honors Option is only available to students in Year 2. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: Percussion Ensemble Advanced Honors

Grade Level(s): 11 and 12

Course Prerequisites: Audition is required

Credit: 1.0

Description: This course is designed for the experienced high school percussionist ready to perform college-level percussion literature. Emphasis is placed on advanced fundamentals of percussion performance (snare drum, timpani, keyboards, marching percussion, and drum set), including tonal concepts, music theory, technical skills, and rehearsal etiquette. Formal concerts, performing with both band classes, various school performances, and community outreach opportunities are requirements for this course. Students are encouraged to audition for honors ensembles such as All-District Band, All-Honors Orchestra, or Solo and Ensemble Festival. Students may take this course in consecutive years.

FINE ARTS: MUSIC *(Continued)*

Course: String Orchestra I*

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: This course is an introduction to the basic fundamentals of playing violin, viola, cello, or bass. No experience needed. Instruments are provided. Students learn the basics of rhythm, reading music, scales, improvisation, theory, and playing beginning repertoire. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: String Orchestra II* (Honors Option)

Grade Level(s): ALL

Course Prerequisites: 1 year experience

Credit: 1.0

Description: This course is for the violin, viola, cello, or bass for students with at least one year of experience. Material covered will include shifting, two octave scales, improvisation, theory, intermediate music reading, and some vibrato. Students are provided with a school instrument to use during class and home practice is required. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: String Orchestra III-IV Honors

Grade Level(s): ALL

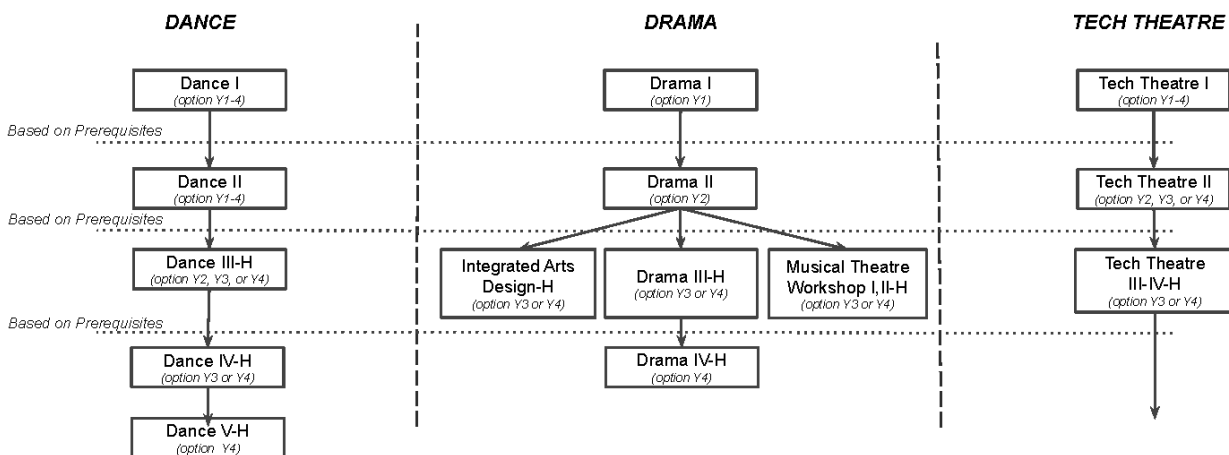
Course Prerequisites: 1 year experience and audition

Credit: 1.0

Description: This course is for violin, viola, cello, or bass for students with at least one year of experience and an audition with instructor. Material covered will include shifting, three octave scales, vibrato, improvisation, and advanced music reading. Students are provided with a school instrument to use during class and home practice is required.

FINE ARTS: PERFORMING ARTS

Fine Arts Department: Performing Arts Course Pathways



Course: Dance I*

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: Dance I is divided into three main areas of study: technique, dance history, and performance. The course covers a variety of techniques at the beginning level, including modern, jazz, hip-hop, and ballet. Students will also learn choreographic tools to create movement studies and solos. Two performances are required. Students must provide dance wear attire/shoes. Placement for technique level is through audition. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: Dance II* (Honors Option)

Grade Level(s): ALL

Course Prerequisites: Dance I or audition

Credit: 1.0

Description: Dance II is divided into three main areas of study: technique, dance history, and performance. The course covers a variety of techniques, including modern, jazz, hip-hop, and ballet. Other forms of dance and movement are introduced including conditioning and Pilates. Students will continue to learn choreographic terms and explore with creating a movement vocabulary. Two performances are required. Students must provide dance wear attire and dance shoes. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: Dance III Honors

Grade Level(s): 10, 11, and 12

Course Prerequisites: Dance II or audition

Credit: 1.0

Description: Dance III continues to work with technique, dance history, and performance in addition to arts, production, and management. Students continue to further their skills in choreography and present their own solos. Two performances are required. Students must provide dance wear attire and dance shoes.

FINE ARTS: PERFORMING ARTS *(Continued)*

Course: Dance IV Honors

Grade Level(s): 11 and 12

Course Prerequisites: Dance III Honors or audition

Credit: 1.0

Description: Dance IV (Honors) continues to work deeper with dance technique including modern/contemporary, jazz, hip-hop, and ballet. Two performances are required. Students will have an opportunity to showcase their own movement studies in class. Students will continue to experiment and look deeper into improvisation and choreography. Students must provide dance wear attire and dance shoes.

Course: Dance V Honors

Grade Level(s): 12

Course Prerequisites: Dance IV or audition

Credit: 1.0

Description: Dance V (Honors) continues to work with dance technique. Students will have the chance to perform their own choreographic studies in a performance and have an opportunity to teach other students their own movement. Students will have a chance to perform in other dance concerts and conventions in North Carolina. Two performances are required. Students must provide dance wear attire and dance shoes.

Course: Drama I*

Grade Level(s): 9

Course Prerequisites: Audition Workshop or Educator Approval

Credit: 1.0

Description: Drama I is designed to be a general overview of the theatrical arts. Students will be introduced to and develop a strong foundation in the many facets of dramatic production, including acting basics, theatrical terminology, and the elements of stagecraft. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: Drama II (Honors Option)

Grade Level(s): 10

Course Prerequisites: None

Credit: 1.0

Description: Drama II continues the study and application of the fundamentals of acting and stagecraft with an emphasis on collaborative projects and self-expression. Students will learn to fully engage with the three tools of the performer – voice, body, and imagination – through in-class projects that emphasize creating and doing in a supportive and active classroom environment.

Course: Drama III Honors

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: Drama III continues the study and application of theatre arts and stagecraft at an advanced and challenging level with a specific emphasis on personal expression and the creative process. Advanced acting, performance, and stagecraft techniques are developed in a collaborative, project-based environment.

FINE ARTS: PERFORMING ARTS *(Continued)*

Course: Drama IV Honors: Performance Studies

Grade Level(s): 12

Course Prerequisites: None

Credit: 1.0

Description: Drama IV allows students to apply, practice, and synthesize the skills acquired in previous Drama classes and previous drama experiences via in-class student-driven theatrical productions. Students engage in creating, producing, directing, designing, writing, and developing their own work via a variety of rotating Drama IV class projects, each of which ends with a series of shared public performances. Past projects have included our Devised Theater Productions, The Ten-Minute Play Festival, and adaptations of Macbeth and King Lear, among others. This class requires an investment of time outside scheduled class hours.

Course: Musical Theatre Workshop I and II Honors

Grade Level(s): 11 and 12

Course Prerequisites: Audition placement with Educator Approval. Auditions held in April.

Credit: 1.0

Description: Musical Theatre Workshop continues the study and application of theatrical performance at an advanced level with a specific focus on the discipline of musical theatre. Designed as an advanced acting/directing/theory class for singers, Musical Theatre Workshop students are required to be confident, competent vocalists. Placement in this course is by audition only; please contact Mr. Ferguson for more details and information.

Course: Integrated Arts Design Honors

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: This course introduces students to integrated conceptual design via a focus on the process of Theatrical Design. By examining photography, architecture, literature, color, and music, among other elements, students can develop ideas, images, and concepts used in design. Execution of these designs will be used in areas of theatre, such as costume design, poster and program graphic design, and set dressing. Students will learn how to ensure that the right visual style is reflected in each of these areas, creating unity and consistency in both onstage and offstage elements. Students will see their designs implemented in Gibbons Drama Productions throughout the year. Through the presentation of ideas and design concepts, students build strong communication skills while learning to be efficient creative collaborators.

Course: Technical Theatre I*

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: This course is a study and application of technical and backstage elements of theatre production. Students will focus on learning craft skills associated with scenery, lighting, and costuming. The class will also support the technical needs of Cardinal Gibbons performances and other school presentations. They will be evaluated on their understanding of theatre production and on their ability to safely and proficiently assist in the construction of scenery, costumes, and props.

*See page 5 regarding PE Deferment for Rising 9th grade students.

FINE ARTS: PERFORMING ARTS *(Continued)*

Course: Technical Theatre II (Honors Option)

Grade Level(s): 10, 11, and 12

Course Prerequisites: Technical Theatre I or Educator Recommendation

Credit: 1.0

Description: This course continues the study of technical theatre. Students will begin the study of theatrical design in costume, scenery, light, and sound. They will advance their technical craft skills and be heavily involved in construction of scenery and costumes for Cardinal Gibbons productions. They will be evaluated on individual design projects and their demonstrated technical skills. Some work may be required after school and on weekends.

Course: Technical Theatre III-IV Honors

Grade Level(s): 11 and 12

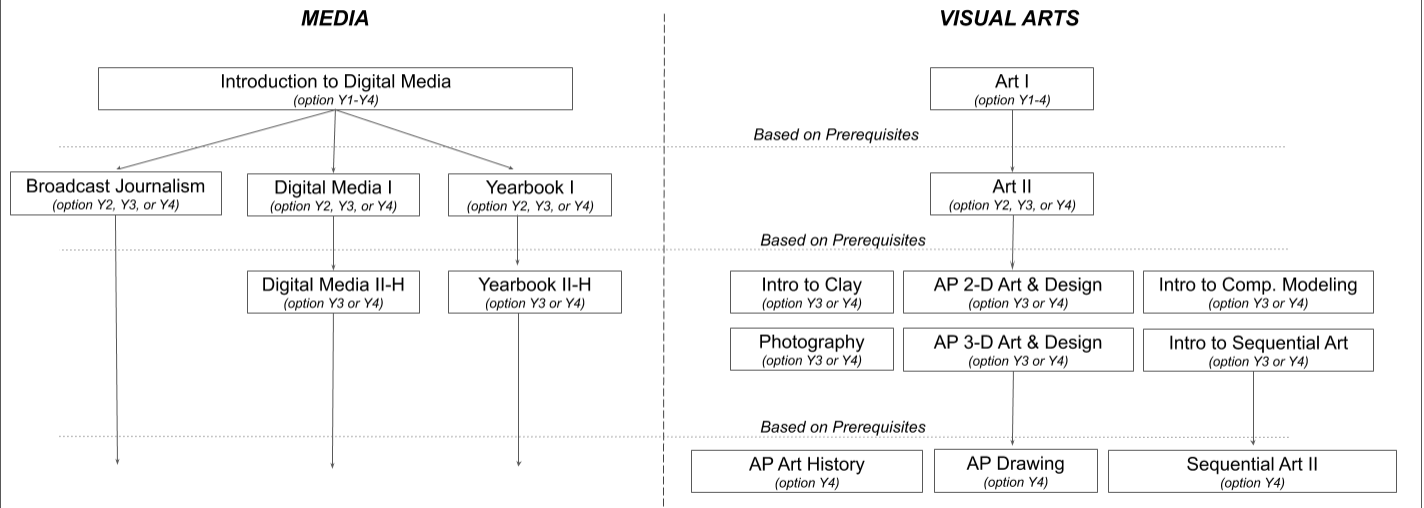
Course Prerequisites: Technical Theatre I or Educator Recommendation

Credit: 1.0

Description: This course furthers the study of Technical Theatre and its respective disciplines, with an emphasis on design. Students will be involved in the design process for all CGHS theatrical productions. Students will be responsible for working and running the technical crews in a leadership role for all Cardinal Gibbons Fine Arts productions. Students will also mentor Tech I and II students.

FINE ARTS: VISUAL ARTS

Fine Arts Department: Media and Visual Arts Course Pathways



Course: Art I*

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: This elective provides a general introduction to the visual arts, its language, tools, media and processes. The student will be exposed to a variety of studio experiences as well as artists of past and present. The focus at the beginning of the year is on developing strong drawing skills. Other projects will include printmaking, painting, ceramics and mixed-media. *See page 5 regarding PE Deferment for Rising 9th grade students.

Course: Art II (Honors Option)

Grade Level(s): 10, 11, and 12

Course Prerequisites: Art I and Educator Recommendation

Credit: 1.0

Description: Art II builds upon the basic art concepts and skills developed in Art I through more advanced applications of media, concepts, and expressions of ideas. Students are encouraged to begin to develop a personal style of expression and choose media appropriate for communication of concept.

FINE ARTS: VISUAL ARTS *(Continued)*

Course: Introduction to Clay (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: The student will be introduced to the art of clay as a means of personal expression and communication. Students will experiment with the plastic quality of clay to form three-dimensional structures using the pinch, coil, slab, and potter's wheel techniques. Students will understand the chemical and physical changes that take place in clay through the construction and firing processes and will be able to evaluate clay forms on the basis of elements and principles of design.

Course: Introduction to Computer Modeling (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: This course will cover the basics of 3D object modeling in 3D Studio Max software. No drawing ability is necessary. Students will learn the fundamentals of how to visualize and construct basic objects using polygons and then learn how to create and apply their own texture maps to the objects. Once a familiarity with the software and techniques are established, more complex and original objects can be approached. The skills acquired in this class can be applied to video games, 3D animation, architecture, and other areas in the entertainment and communication fields

Course: Introduction to Sequential Art (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: This course will explore the ancient tradition of conveying stories/ideas through words and pictures. Students will study the history of sequential art and its broad range of styles and genres, and they will write and draw their own short stories in several different formats. Each storytelling element will be studied and explored, including subject research, script writing/outlining, developing effective characters, drawing settings, objects, and people in various styles, establishing mood, conveying emotion, the importance of color, mythology, iconography, metaphor, and "personal voice" panel composition and overall page design. Students will also learn how to have their work "print ready" for publication, both on paper and digitally on the internet.

FINE ARTS: VISUAL ARTS *(Continued)*

Course: Sequential Art II (Honors Option)

Grade Level(s): 12

Course Prerequisites: Introduction to Sequential Art and Educator Recommendation

Credit: 1.0

Description: This course is designed to be a continuation of Sequential Art I and will build upon the skill sets covered there. Students will be asked to display a more advanced level of drawing and visual storytelling, and the projects will be greater in length and more substantive in content. Students will also be expected to work independently and develop their own story ideas. More advanced techniques in drawing, coloring, and inking will be pursued, and we will explore more prolific areas and methods of visual storytelling.

Course: Photography (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: This course introduces the fundamental techniques used in black and white photography. Emphasis is placed on concept and content as well as technical proficiency. This course provides a problem-solving structure that is designed to encourage the development of both technical and creative thinking skills. The course contains the following sections on Basic Photography: camera, lens, exposure, light and film, film development and printing. Alternative photographic process and color digital imaging techniques are also covered.

Course: AP Art History

Grade Level(s): 12

Course Prerequisites: Minimum Average of a B in current English Class

Credit: 1.0

Description: This course prepares students for the AP Art History Exam. The course covers art from the Paleolithic period through postmodernism and is designed to provide students with the same material covered in an introductory college course in art history. Students gain knowledge of architecture, sculpture, painting and other forms within diverse historical and cultural contexts. An emphasis will be placed on visual literacy: the ability to apply art historical methods to the student's visual environment and how images encode social ideologies. Students examine and critically analyze major forms of artistic expression from a variety of European and Non-European cultures. Writing skills will be important in the description, analysis, and comparison of these works. Attention is given to the interpretation of a work of art based upon its intended use, patronage, audience and the role of both the artist and the work of art in a particular society. Students will learn how art mediates all types of human experiences. Students will be responsible to complete a summer assignment for this course.

FINE ARTS: VISUAL ARTS *(Continued)*

Course: AP Drawing

Grade Level(s): 12

Course Prerequisites: Art II and Educator Recommendation

Credit: 1.0

Description: AP Drawing is offered for the outstanding art student who wishes to prepare and present a drawing portfolio to the National Placement Board. College credit or placement may be given by some institutions if a qualifying evaluation is received. Students will be responsible to complete a summer assignment for this course.

Course: AP 2-D Art and Design

Grade Level(s): 11 and 12

Course Prerequisites: Art II and Educator Recommendation

Credit: 1.0

Description: AP 2D Design is offered for the outstanding art student who wishes to prepare and present a 2D Design portfolio to the National Placement Board. College credit or placement may be given if a qualifying evaluation is received. Students will be responsible to complete a summer assignment for this course.

Course: AP 3-D Art and Design

Grade Level(s): 11 and 12

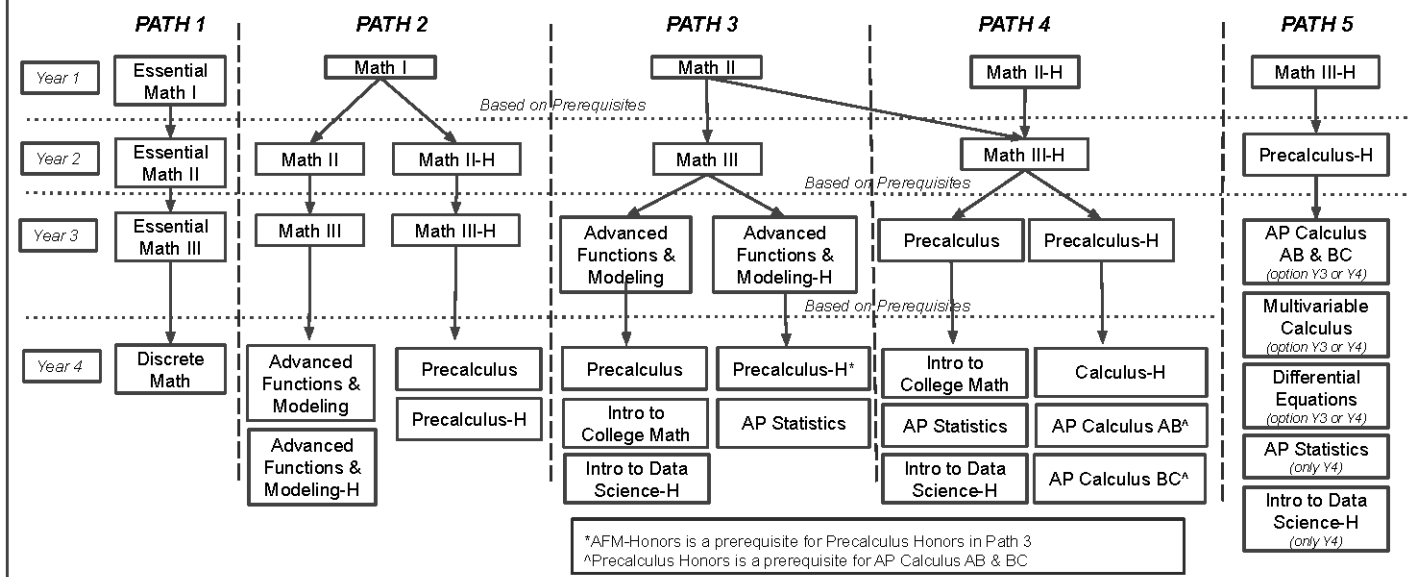
Course Prerequisites: Art II and Educator Recommendation

Credit: 1.0

Description: AP 3D Design is offered for the outstanding art student who wishes to prepare and present a 3D Design portfolio to the National Placement Board. College credit or responsible to complete a summer assignment for this course.

MATH

Math Department Course Pathways



Course: Essential Math I

Grade Level(s): 9

Course Prerequisites: Placement test results and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course introduces students to the real number system and its properties. Students will study linear relationships and be introduced to evaluating and graphing quadratic and exponential functions. Topics will include simplifying polynomial expressions, solving and graphing algebraic equations and inequalities, factoring, solving systems of linear equations, distance, area and volume formulas, and interpreting data. Students will be introduced to evaluating and graphing quadratic and exponential functions. Topics will be based on students' needs and aligned with Math I Standards. A graphing calculator is required, and a TI-84 is recommended.

Note: While this course meets Cardinal Gibbons and the state's requirements for graduation, and the course is a good fit for students who find Math challenging, it does not meet the NCAA guidelines for eligibility in D1 or D2 schools.

MATH *(Continued)*

Course: Math I

Grade Level(s): 9

Course Prerequisites: Placement test results and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Math I will deepen and extend the understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. Topics will include simplifying polynomial expressions, solving and graphing algebraic equations and inequalities, solving systems of linear equations, coordinate geometry, congruent figures, distance, area and volume formulas, and interpreting data. Students will cover methods of factoring quadratic expressions and will be introduced to quadratic functions. The Standards for Mathematical Practice apply throughout the course, and together with the Math I Content Standards, allow students to experience mathematics and apply it as they make sense of problem situations. A graphing calculator is required, and a TI-84 is recommended.

Course: Essential Math II

Grade Level(s): 10

Course Prerequisites: Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course will continue to strengthen students' algebraic and geometric skills. There will be a concentrated study of function notation. Students will use algebra and graphing to describe quadratic and radical functions, as well as inverse variation. Students will apply basic ideas of triangle relationships, including the Pythagorean Theorem, and will be introduced to similar triangles and the trigonometric ratios. Students will explore basic probability and counting problems. Topics will be based on students' needs and aligned with Math II Standards. A graphing calculator is required, and a TI-84 is recommended.

***Note:** While this course meets Cardinal Gibbons and the state's requirements for graduation, and the course is a good fit for students who find Math challenging, it does not meet the NCAA guidelines for eligibility in D1 or D2 schools.*

Course: Math II

Grade Level(s): 9, 10

Course Prerequisites: Minimum of a C average in Math I or placement test results and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Math II stresses the concept of a function. Students concentrate on the study of quadratic and radical functions, as well as inverse variation. Algebraic and graphical knowledge of these functions is emphasized. Geometric transformations are examined and then related to the study of congruent and similar triangles, including work with proof. The study of similarity leads to an understanding of right triangle trigonometry and connects to Pythagorean relationships. The link between probability and data is explored through conditional probability. The Standards for Mathematical Practice apply throughout the course, and together with the Math II Content Standards, allow students to experience mathematics and apply it as they make sense of problem situations. A graphing calculator is required, and a TI-84 is recommended.

MATH *(Continued)*

Course: Math II Honors

Grade Level(s): 9, 10

Course Prerequisites: Minimum of an A average in Math I and placement test results and Educator Recommendation

PSAT: ERW- None/ Math 450

Credit: 1.0

Description: Math II Honors is a more challenging approach to all of the geometry, algebra, and probability covered in Math II. Topics will be expanded and deepened, and the pace of the course will be faster than Math II. Content is explored at a rigorous level with an emphasis on application of each function. Students will be introduced to additional topics such as matrix transformations, function inverses, and geometric probability, as time permits. The Standards for Mathematical Practice apply throughout the course, and together with the Math II Content Standards, allow students to experience mathematics and apply it as they make sense of problem situations. A graphing calculator is required, and a TI-84 is recommended.

Course: Essential Math III

Grade Level(s): 11

Course Prerequisites: Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course will reinforce the students' basic Algebra skills. Students will solve equations and inequalities in the real number system. Applications will be made to linear and polynomial functions as well as more elementary exponential functions. The students will study the fundamentals of trigonometric functions. Students' graphing skills will be reinforced and expanded. Topics will be based on students' needs and aligned with Math III Standards. A graphing calculator is required, and a TI-84 is recommended.

***Note:** While this course meets Cardinal Gibbons and the state's requirements for graduation, and the course is a good fit for students who find Math challenging, it does not meet the NCAA guidelines for eligibility in D1 or D2 schools.*

Grade Level(s): 10, 11

Course Prerequisites: Minimum of a C average in Math II and Educator recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course is designed to continue the study of functions from Math II. Students will then expand their knowledge of polynomial, rational, exponential, and logarithmic functions. Students will apply methods from probability and statistics to draw inferences and conclusions from data. Students will extend their study of trigonometry to include the study of circular trigonometry and trigonometric functions that model periodic phenomena. Students will bring together their experience with functions and geometry to create models and solve problems, including the study of geometric solids. The students will complete geometric proofs. The Standards for Mathematical Practice apply throughout the course, and together with the Math III Content Standards, allow students to experience mathematics and apply it as they make sense of problem situations. A graphing calculator is required, and a TI-84 is recommended.

MATH *(Continued)*

Course: Math III Honors

Grade Level(s): 9, 10, and 11

Course Prerequisites: Minimum of a B average in Math II Honors or an A in Math II or placement test results and Educator Recommendation

PSAT: ERW- None/ Math 500

Credit: 1.0

Description: Math III Honors is a more challenging approach to all of the topics in Math III. Topics will be expanded and deepened, and the pace of the course will be faster than Math III, in preparation for Precalculus mathematics. Applications of all functions are included. Geometry and Algebra are combined in the study of conic sections. Trigonometry is covered extensively, including trigonometric proofs, trigonometric equations, and sum, difference and double angle identities. The Standards for Mathematical Practice apply throughout the course, and together with the Math III Content Standards, allow students to experience mathematics and apply it as they make sense of problem situations. A graphing calculator is required, and a TI-84 is recommended.

Course: Advanced Functions and Modeling

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of a C average in Math III and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course provides students with an introductory study of modeling and applications of functions. The course extends and strengthens skills in concepts first presented in Math III. The applications will cover home, work, recreation, consumer issues, public policy, and scientific investigations, just to name a few. The students will continue to study graphing techniques and will make use of appropriate technology. A graphing calculator is required, and a TI-84 is recommended.

Course: Advanced Functions and Modeling Honors

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of an A average in Math III and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course is a more demanding, faster-paced approach to advanced functions. The course also provides an in-depth study of function modeling and the application of these functions. The student will continue to study graphing techniques and will make use of appropriate technology. Students completing this course will be prepared for either Precalculus or AP Statistics. A graphing calculator is required, and a TI-84 is recommended.

Course: Precalculus

Grade Level(s): 10, 11, and 12

Course Prerequisites: Minimum of a B+ average in AFM, a B in AFM Honors, or a C in Math III Honors and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Precalculus involves an in-depth analysis of polynomial, rational, exponential, logarithmic, and trigonometric functions including applications. This course prepares a student for Calculus Honors at the high school level or possible placement into college Calculus. A graphing calculator is required, and a TI-84 is recommended.

MATH *(Continued)*

Course: Precalculus Honors

Grade Level(s): 10, 11, and 12

Course Prerequisites: Minimum of a B average in Math III Honors or an A in AFM Honors and Educator Recommendation

PSAT: ERW- None/ Math 550

Credit: 1.0

Description: This course is a more rigorous approach to the topics in Precalculus using both an analytical and a graphical approach. An emphasis will also be placed on applying polynomial, rational, exponential, logarithmic, and trigonometric functions. Students will be introduced to vectors, polar graphing, sequences and series, and matrices. This course prepares students for AP Calculus. A graphing calculator is required, and a TI-84 is recommended.

Course: Discrete Math

Grade Level(s): 12

Course Prerequisites: Educator Recommendation

PSAT: ERW- None/ Math

Credit: 1.0

Description: Several diverse topics will be covered in this course including: consumer math and social choice, set theory, statistics, and matrices. Applications and the use of technology are central to the course. A study of several algebraic topics including probability and trigonometry will be presented as time allows. A graphing calculator is required, and a TI-84 is recommended.

Course: Introduction to College Math

Grade Level(s): 12

Course Prerequisites: Minimum of a C average in AFM or AFM Honors and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course is recommended for those who want a math class that will introduce areas that are covered at the entry level of college. The goal for this class is to integrate basic elementary matrix methods, sets, counting techniques, linear programming, modeling of real life situations through graph theory, data collection and analysis, fair and estate division, and apportionment. Many of the objectives require students to apply knowledge to new situations rather than following a procedure. A graphing calculator is required, and a TI-84 calculator is recommended.

MATH *(Continued)*

Course: Introduction to Data Science Honors

Grade Level(s): 12

Course Prerequisites: Minimum of a C average in Precalculus Honors, a B in Precalculus, a B in AFM Honors, or A in AFM and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Introduction to Data Science (IDS) is designed to introduce students to the exciting opportunities available at the intersection of data analysis, computing, and mathematics through hands-on activities. Data is everywhere, and this curriculum will help prepare students to live in a world of data. The curriculum focuses on practical applications of data analysis to give students concrete and applicable skills. Instead of using small, tailored, curated data sets as in a traditional statistics curriculum, this curriculum engages students with a wider world of data that fall into the "Big Data" paradigm and are relevant to students' lives. In contrast to the traditional formula-based approach, the IDS statistical inference is taught algorithmically, using modern randomization and simulation techniques. Students will learn to find and communicate meaning in data and to think critically about arguments based on data. A graphing calculator is required, and a TI-84 is recommended.

Course: Calculus Honors

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of a B average in Precalculus or C in Precalculus Honors and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Calculus continues the study of analysis of functions and introduces limits, differential calculus, and integral calculus with applications. The course gives students a strong foundation for college-level Calculus. This course is strongly recommended as a rigorous fourth-year math course. A graphing calculator is required, and a TI-84 is recommended.

Course: AP Calculus AB

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of a B average in Precalculus Honors and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: AP Calculus AB involves an in-depth look at functions and the use of limits, differentiation, and integration concepts in graphing and analysis. The curriculum follows the College Board's recommendation. A graphing calculator is required, and a TI-84 is recommended.

Course: AP Calculus BC

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of an A average in Precalculus Honors or a B in AP Calculus AB and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: AP Calculus BC is a more extensive and demanding study of Calculus than Calculus AB. Students who receive qualifying scores on the BC test may receive credit for two semesters of college Calculus. A graphing calculator is required, and a TI-84 is recommended.

MATH *(Continued)*

Course: AP Statistics

Grade Level(s): 12

Course Prerequisites: Minimum of a B average in Precalculus or Precalculus Honors or an A average in AFM Honors and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course is an in-depth study of Statistics, equivalent to a one-semester Introduction to Statistics course at the university level. The purpose of the course is to introduce the students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will frequently work on projects involving the hands-on gathering and analysis of real world data. This course is recommended for students who plan a major in college in Engineering, Psychology, Sociology, Business or the biological and health sciences. A graphing calculator is required, and a TI-84 is highly recommended.

Course: Multivariable Calculus

Grade Level(s): 11 and 12

Course Prerequisites: Score of 4 or 5 on the AP Calculus BC Test and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 0.5

Description: This course is the third of three semesters in a calculus sequence. Topics covered will include (but not limited to) vectors, vector algebra, vector functions, functions of several variables, partial derivatives, gradients, directional derivatives, maxima and minima, multiple integration, line and surface integrals, Green's Theorem, Divergence Theorems, Stokes' Theorem, and applications. Use of computational tools (MAPLE computer algebra system) will also be included.

Course: Differential Equations

Grade Level(s): 11 and 12

Course Prerequisites: Multivariable Calculus and Educator Recommendation

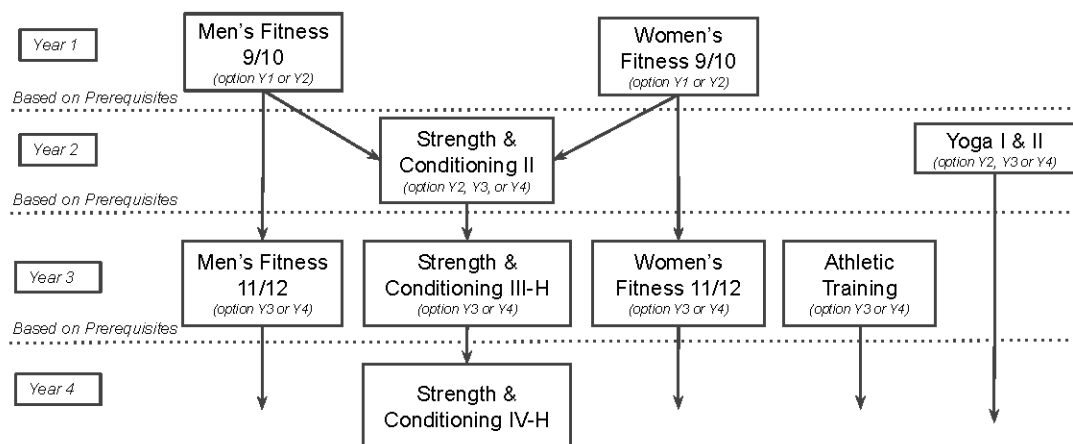
PSAT: ERW- None/ Math None

Credit: 0.5

Description: This course covers first order differential equations with applications; second order linear differential equations with applications in mechanics and other areas; elementary matrix algebra, systems of linear equations and applications; Laplace transforms; numerical methods for approximating solutions for differential equations. Applications to population, economic, orbital and mechanical models are included.

PHYSICAL EDUCATION (PE)

Physical Education Department Pathways



Yoga I & II and Athletic Training do not satisfy the department graduation requirement.

Course: Men's Fitness 9/10 (Honors Option Y2)

Grade Level(s): 9, 10

Course Prerequisites: None

Credit: 1.0

Description: This required course provides the students with the basic fundamental skills required for balanced development in physical fitness. This course supports learning about the anatomical and physiological benefits an active lifestyle promotes. Its purpose is to develop the components of fitness in the areas of macros, nutrition, stretching, cardio, strength, human movement, resistance, mobility, and recovery.

Course: Men's Fitness 11/12 (Honors Option in Y2 of any PE, Honors required in Y3 or Y4 of any PE)

Grade Level(s): 11 and 12

Course Prerequisites: Men's Fitness 9/10 or PE Deferment

Credit: 1.0

Description: This course provides the students with the basic fundamental skills required for balanced development in physical fitness. This course supports learning about the anatomical and physiological benefits an active lifestyle promotes. Its purpose is to develop the components of fitness in the areas of macros, nutrition, stretching, cardio, strength, human movement, resistance, mobility, and recovery. Students may take this course in consecutive years; the Honors Option is only available to students in Year 2.

PE *(Continued)*

Course: Women's Fitness 9/10 (Honors Option in Year 2 only)

Grade Level(s): 9 and 10

Course Prerequisites: None

Credit: 1.0

Description: This required course provides the students with the basic fundamental skills required for balanced development in physical fitness. This course supports learning about the anatomical and physiological benefits an active lifestyle promotes. Its purpose is to develop the components of fitness in the areas of macros, nutrition, stretching, cardio, strength, human movement, resistance, mobility, and recovery.

Course: Women's Fitness 11/12 (Honors Option in Y2 of any PE, Honors required in Y3 or Y4 of any PE)

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: This course provides the students with the basic fundamental skills required for balanced development in physical fitness. This course supports learning about the anatomical and physiological benefits an active lifestyle promotes. Its purpose is to develop the components of fitness in the areas of macros, nutrition, stretching, cardio, strength, human movement, resistance, mobility, and recovery. Students may take this course in consecutive years.

Course: Strength & Conditioning II (Honors Option)

Grade Level(s): 10, 11, and 12

Course Prerequisites: Men's Fitness, Women's Fitness, or PE Deferment

Credit: 1.0

Description: Subject matter for this year-long course will include principles of beginning strength training (functional, power and Olympic lifts) as well as a thorough coverage of general conditioning principles related to the development of the high school athlete. Other related topics include nutrition, ergogenic drugs, and basic anatomy and physiology. This class will emphasize direct involvement in the techniques and theory taught through daily workouts.

Course: Strength & Conditioning III Honors

Grade Level(s): 11 and 12

Course Prerequisites: Strength & Conditioning II

Credit: 1.0

Description: This class is designed to build upon the Strength & Conditioning I class. Subject matter for this year-long course will include more advanced strength training techniques (functional, power and Olympic lifts) as well as thorough coverage of plyometric and conditioning principles. Related topics include nutrition, ergogenic drugs, and basic anatomy and physiology. This class will require daily physical workouts.

PE *(Continued)*

Course: Strength and Conditioning IV Honors

Grade Level(s): 12

Course Prerequisites: Strength & Conditioning III Honors

Credit: 1.0

Description: This year-long course will continue to build on the knowledge base and techniques that students learned in their Strength & Conditioning classes. There will be a greater emphasis on Olympic Lifts, as well as exploration of different styles of workouts. Related topics include proper nutrition, the effects of steroid and supplement use, and a more expansive look at anatomy and physiology. This class will require daily physical work-outs supplemented with written work and research.

Course: Athletic Training

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 1.0

Description: This year-long course provides the student with the most current information on the subjects of prevention and basic care of sports injuries. This course is designed for students going into the field of coaching, physical education, and/or the medical/healthcare profession. Its major thrust is toward injury prevention and immediate care of the most common sports injuries. Basic foundations are also provided for the student interested in substantive areas of rehabilitation. Students enrolled in this class are required to complete athletic training hours as part of their class grade. Please contact any member of the PE department with specific questions about the training hour requirement. This course does not satisfy the PE graduation requirement.

Course: Yoga and Mindfulness I

Grade Level(s): 10, 11, and 12

Course Prerequisites: none

Credit: 0.5

Description: This zero-period course is a one-semester overview of the physical practice of yoga as well as mindfulness techniques guided meditation, breathwork, and journal reflection. Students gain a basic understanding of yoga poses and movement, including practical anatomical knowledge, while also developing a greater ability to manage stress and live mindfully. Class meetings are two times weekly from 7:00-7:45 a.m.

Course: Yoga and Mindfulness II

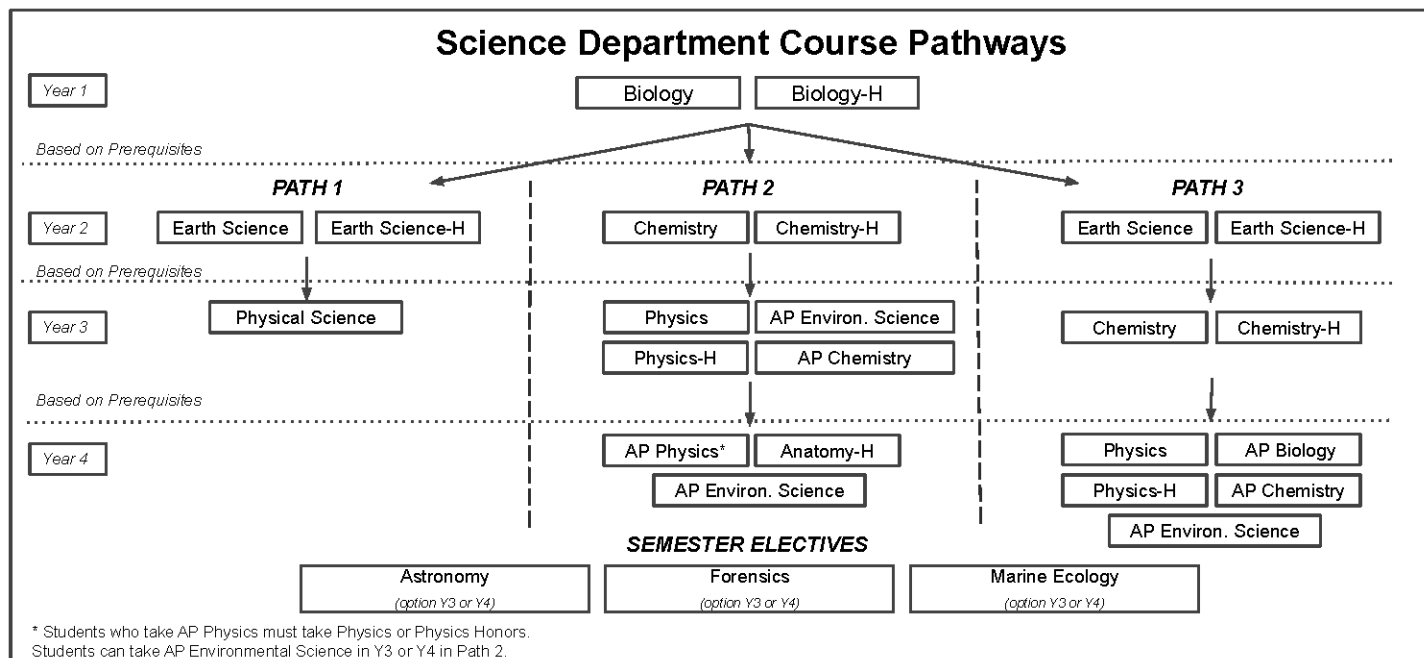
Grade Level(s): 10, 11, and 12

Course Prerequisites: Yoga and Mindfulness I

Credit: 0.5

Description: In this zero-period course, students who have completed Yoga and Mindfulness I may continue to grow their practice by deepening their understanding and knowledge surrounding aspects of yoga and mindfulness that interest them specifically. Students will have opportunities for guided independent research and study into unique aspects of yoga, meditation, and mindful living while also attending weekly yoga classes as a community. Class meetings are two times weekly from 7:00-7:45 a.m.

SCIENCE



Course: Biology

Grade Level(s): 9

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This laboratory course covers the chemical and physical nature of living things with an emphasis on the cell, its anatomy, and physiology. The course includes a general survey of all 6 kingdoms focusing on their interactions with each other, their relationship with humans, and the basic principles of Ecology. Emphasis is placed upon the skills of microscope use, safe laboratory practices, dissection and the continuing use of proper scientific methods.

Course: Biology Honors

Grade Level(s): 9

Course Prerequisites: Minimum of an A in Grade 8 Science, placement in Math II or higher math and placement in English 9 Honors

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Biology Honors will cover most areas of Biology. An emphasis is placed on inquiry to discover the major concepts in Biology – energy and matter, maintenance of equilibrium, evolution, interactions, interdependence, genetic continuity, growth and differentiation, and the place of science in society. Laboratory experience is extensive. This course is designed to help students begin to view life from the level of the biosphere to the molecular level. Students will be required to do numerous lab reports.

SCIENCE *(Continued)*

Course: Earth Science

Grade Level(s): 10

Course Prerequisites: Completion of Biology or Biology Honors

PSAT: ERW- None/ Math None

Credit: 1.0

Description: The Earth Science curriculum focuses on the function of the earth's systems. Emphasis is placed on crustal dynamics, models of the earth, minerals and rocks, geologic history, earth's motions, and environmental awareness. Students will develop knowledge of measurements and skill in making observations to use in future science courses.

Course: Earth Science Honors

Grade Level(s): 10

Course Prerequisites: Minimum of a B+ in Biology or B in Biology Honors and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Earth Science Honors will be an in-depth laboratory course with concentrations in geology, meteorology, oceanography, and astronomy. The course will allow students to perform hands-on experimentation and conduct field research. This accelerated course will include topics in weather analysis, global climate patterns, erosion processes and controls, geological history, and current astrological discussions. Students will apply knowledge of the subject matter to current local and global problems. A minimum of two research projects encompassing field study will be required.

Course: Chemistry

Grade Level(s): 10, 11, and 12

Course Prerequisites: Minimum of a B+ in Biology or B in Biology Honors, a minimum of a B in Earth Science or B- in Earth Science Honors, placement in Math II Honors or higher, a Math Readiness Pretest, and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This laboratory course will investigate the structure, properties, and composition of matter. Mathematical rigor will be emphasized, and students will need a strong foundation in math. This course will cover basic first year college concepts in chemistry such as atomic and molecular structure, the periodic table, chemical bonds and reactions, equilibrium, thermochemistry, kinetic theory, solutions, and acids and bases. Students should be prepared for a demanding course load and a relatively fast-paced presentation of material. Critical thinking, problem solving, scientific inquiry, and concept mastery are the cornerstones of this course.

SCIENCE *(Continued)*

Course: Chemistry Honors

Grade Level(s): 10, 11, and 12

Course Prerequisites: Minimum of an A in Biology or B+ Biology Honors and placement in Math III Honors or higher and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: Chemistry Honors is an in-depth laboratory course requiring extensive self-motivation and self-monitoring. By programmatically infusing concept mastery, critical thinking, problem solving, and laboratory experimentation strands, this program underpins and expands upon the facts, formulas, and principles of a regular chemistry course. This course is geared toward why chemistry happens, and students will be required to explain what happens using mathematical skills with little difficulty. Extensive laboratory experimentation highlights this course.

Course: Physical Science

Grade Level(s): 11

Course Prerequisites: Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course is designed to give students an introduction to two subjects: physics and chemistry. Students will develop problem-solving skills and a basic knowledge in physics. Major topics discussed are motion, forces, work, energy, waves, sound, light, and electricity. Students will develop critical thinking skills and a basic knowledge in chemistry. Major topics discussed are matter, the atom, the periodic table, compounds, chemical reactions, solutions, and nuclear changes. During both semesters, students will perform numerous labs that will enhance their data collection, interpretation, and graphing skills.

Course: Physics

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of a B in Chemistry or Chemistry Honors and placement into AFM Honors or higher and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: In this laboratory course, students will actively study classical kinetics and dynamics of motion, work and energy, momentum and collisions, magnetism and electricity, sound, and light. Emphasis will focus on the development of critical thinking skills and problem solving.

Course: Physics Honors

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of an A in Chemistry or B in Chemistry Honors; enrolled in Honors Precalculus or higher math while taking Physics Honors and Educator Recommendation

PSAT: ERW- None/ Math 570

Credit: 1.0

Description: This is a fast-paced laboratory course with emphasis on mastery of graphical techniques of data analysis. The course covers Newtonian mechanics, waves, optics, electricity, and magnetism. Much class time is devoted to lab investigations. These investigations foster student engagement in the practice of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting.

SCIENCE *(Continued)*

Course: AP Physics C: Mechanics

Grade Level(s): 12

Course Prerequisites: Minimum of a B in Physics or Physics Honors and enrolled in AP Calculus AB or higher math while taking AP Physics C and Educator Recommendation

PSAT: ERW- None/ Math 570

Credit: 1.0

Description: AP Physics C is an extensive and demanding study of mechanics. AP Physics C: Mechanics is equivalent to a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. Students will be responsible to complete a summer assignment for this course.

Course: AP Environmental Science

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of a B+ in Chemistry or a B in Chemistry Honors and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This laboratory course is intended to prepare the student to earn college credit by passing the AP test in environmental science. It will provide students with knowledge of the principles that underlie the interrelationships of the natural world and methods to identify and analyze natural problems and human-caused problems in the environment along with examination of possible solutions to these problems. Environmental Science uses much of the knowledge students gained in Biology, Chemistry, and Math III classes to investigate relationships and problems in the environment. Much of the lab work is done outdoors. Due to limited classroom time, Saturday and after school labs may be required. Students will be responsible to complete a summer assignment for this course.

Course: AP Chemistry

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of a B+ in Chemistry Honors or an A in Chemistry and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This laboratory course is intended to prepare the student to earn college credit by passing the AP test in chemistry. This course is presented at college level and at an accelerated pace. This second-year chemistry course will present first year topics in greater detail and will additionally explore solubility, equilibrium, weak acids and bases, buffers, thermodynamics, kinetics, electrochemistry, complex ions, analysis, and nuclear chemistry. The course is intended to fully cover all topics in college freshman year chemistry, but will not include organic chemistry. AP Chemistry is recommended for students with a serious interest in science or those who are considering health care careers. Students will be responsible to complete a summer assignment for this course.

SCIENCE *(Continued)*

Course: AP Biology

Grade Level(s): 12

Course Prerequisites: Minimum of a A or better in Chemistry, a B+ in Chemistry Honors, or a minimum of a B in AP Environmental Science, and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This course is equivalent to two semesters of college-level biology and provides an in-depth exploration of many areas of Biology. We will cover biochemistry, cells, heredity, evolution, organisms, and ecology. Students will be required to perform laboratory investigations throughout the course with lab reports and presentations to demonstrate their understanding of the topics covered in lab. Students will be required to complete summer work related to Biology, which will be submitted throughout the summer.

Course: Anatomy and Physiology Honors

Grade Level(s): 12

Course Prerequisites: Successful completion of Biology and Math III and a minimum of a B in Chemistry and Educator Recommendation

PSAT: ERW- None/ Math None

Credit: 1.0

Description: This year-long course is designed to introduce students to the structure and function of the human body. It is of special interest to students who intend to pursue careers in the allied health fields. Building in an understanding of anatomical vocabulary, concepts and physiological processes, rather than rote memorization, is emphasized. Discussions of clinical examples, current research techniques, and medical ethics occur to highlight these complementary areas. The meticulous dissection of several lower mammals and mammalian organs form the framework for the Gross Anatomy study. Physiology labs and microscopic studies of the various tissues enable the students to master good laboratory technique and report writing.

Course: Astronomy (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: This semester course provides the student with an introduction to Astronomy. This course covers selected topics from six units including: the Motions of the Sky; the Tools of the Astronomer; the Earth, Moon, and Sun System; the Planets; the Stars; and the Universe. Students will experience astronomy through a variety of activities (hands-on and computer simulations), videos, and telescopic observations. Assessments range from quizzes to challenge projects to basic observations of astronomical phenomena.

SCIENCE *(Continued)*

Course: Forensics (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: This semester course is designed to introduce students to topics such as fingerprinting, blood typing and spattering, trajectories comparative anatomy, and chemical analysis of drugs, poisons, and trace evidence. Through the use of various Science and Math topics, students will learn about the difference between real life forensics and “Hollywood” forensics. Coursework will include lab work and projects. Students will learn the steps in solving a mock crime. They will all be given the tools to interpret data and techniques involved for analysis of evidence.

Course: Marine Ecology (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: This course is designed to introduce students to the field of Marine Ecology. Topics covered will come from Earth Science, Biology, Environmental Science, and Zoology. Students will investigate the history of ocean exploration, the physical and chemical makeup of the oceans, the interaction between organisms and the oceans, the interaction between the land and the oceans and environmental issues that affect the oceans. Topics of special interest to North Carolina will be included. Laboratory investigations will be conducted throughout the course.

Course: Laboratory Assistant

Grade Level(s): 12

Course Prerequisites: Educator Recommendation

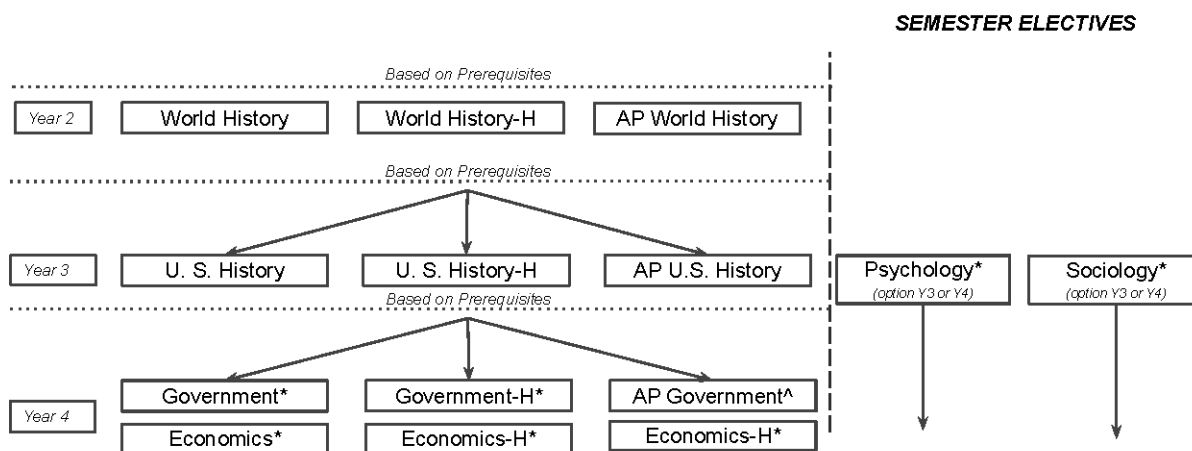
PSAT: ERW None/ Math None

Credit: 0.25

Description: This lab course offers students the opportunity to explore laboratories in their favorite science course. Student will set up the classroom laboratories and classroom demonstrations and help the instructor break them down. Students will also help the instructor to manipulate experiments in order to test for possible outcomes to the standard laboratory. Emphasis is placed on general laboratory knowledge and a readiness to learn and explore new avenues in science.

SOCIAL STUDIES

Social Studies Department Course Pathways



Year 4: Students choose ONE Government and ONE Economics course.
 *Indicates semester course
 ^Indicates a year long class that requires Economics in summer or as an elective

Course: World History

Grade Level(s): 10

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 1.0

Description: World History is a course in which students explore the story of the human experience. We will use the nine themes of History to guide us along our path of understanding this fascinating and complex subject. This course will place special emphasis on reading comprehension, analysis of primary sources, determining cause and effect, technology, and art.

Course: World History Honors

Grade Level(s): 10

Course Prerequisites: Minimum of an A in English 9 or B in English 9 Honors and Educator Recommendation

PSAT: ERW- 510/ Math None

Credit: 1.0

Description: World History Honors is a college-preparatory survey course designed to introduce students to a thematic approach to learning about human history. Attention will be given to preparing students to think and write analytically about world historical issues, trends, and events. Course work will include examination of primary and secondary sources and the development of historical research and writing skills. Special emphasis will be placed on learning the historian's key skills of interpreting and analyzing evidence; determining cause and effect; assessing change and continuity over time; and comparative analysis, both across societies and across time periods.

SOCIAL STUDIES *(Continued)*

Course: AP World History

Grade Level(s): 10

Course Prerequisites: Minimum of an A in English 9 Honors and Educator Recommendation

PSAT: ERW- 550/ Math None

Credit: 1.0

Description: AP World History is a college-level survey course designed to introduce students to a thematic approach to learning about human history and to prepare students for more advanced studies at the high school and college levels. Attention will also be given to preparing students for the AP World History exam, including extensive examination of primary and secondary sources, comparative and analytical historical research, and effective essay writing. Special emphasis will be placed on learning the historian's key skills of interpreting evidence, analyzing point of view; assessing change and continuity over time; and comparative analysis, both across societies and across time periods.

Course: U.S. History

Grade Level(s): 11

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 1.0

Description: U.S. History is a required course which surveys the growth and development of the United States and its people from colonization to Reconstruction (semester 1) and from the post-Civil War economic developments to the present (semester 2). The events of our national history are viewed in terms of the impact they have had on the political, economic, social, and cultural character of American society.

Course: U.S. History Honors

Grade Level(s): 11

Course Prerequisites: Minimum of an A in World History, a B in World History Honors, or a C in AP World History and Educator Recommendation

PSAT: ERW- 550/ Math None

Credit: 1.0

Description: U.S. History Honors is a year-long course which surveys the growth and development of the United States and its people from colonization to Reconstruction (semester 1) and from the post-Civil War economic developments to the present (semester 2). The events of our national history are viewed in terms of the impact they have had on the political, economic, social, and cultural character of American society. An extensive amount of reading, writing, and research will be required. This course fulfills the U.S. History requirement.

Course: AP U.S. History

Grade Level(s): 11

Course Prerequisites: Minimum of an A in World History Honors or a B in AP World History and Educator Recommendation

PSAT: ERW- 590/ Math None

Credit: 1.0

Description: AP U.S. History is a college-level introductory course which focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven Themes of equal importance — National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Environment and Geography; and Culture and Society — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. In this pursuit, the acquisition of factual knowledge is the beginning of the process, but the main focus of the course will be the development of historical thinking skills and student application of those skills. Students will be responsible for completing a summer assignment for this course.

SOCIAL STUDIES *(Continued)*

Course: U.S. Government

Grade Level(s): 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: U.S. Government is a required semester course which concentrates on the democratic principles upon which the United States was founded. The meaning of citizenship in terms of the rights and responsibilities of the people of the United States is stressed. Areas examined include: the adoption of the Constitution, the three branches of government, local and state governments, the art of politics, and current events.

Course: U.S. Government Honors

Grade Level(s): 12

Course Prerequisites: Minimum of an A in U.S. History, a B in U.S. History Honors or a C in AP U.S. History and Educator Recommendation

PSAT: ERW- 570/ Math None

Credit: 0.5

Description: U.S. Government Honors is a semester survey course which examines the democratic system upon which the United States government is based. The rights and responsibilities of citizens, the federal system as established by the Constitution, political parties, the workings of the three branches of government, and state and local governments will be studied in some depth. Emphasis will be placed on the examination of the workings of the U.S. judicial system.

Course: AP U.S. Government and Politics

Grade Level(s): 12

Course Prerequisites: Minimum of an A in U.S. History Honors or a B in AP U.S. History and Educator Recommendation

PSAT: ERW- 590/ Math None

Credit: 1.0

Description: AP U.S. Government and Politics is a rigorous course which provides an analytical perspective on government and politics in the United States. It will familiarize students with various institutions, groups, beliefs, and ideas that constitute U.S. Politics. Topics covered include: the constitutional underpinnings of the United States government, political beliefs and behaviors, political parties, interest groups, mass media, institutions of the national government, public policy, and civil rights and civil liberties.

Course: Economics

Grade Level(s): 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: Economics is a required course which introduces the fundamental principles and theories of economics. The first nine weeks of the course focus on basic issues of scarcity, supply and demand, markets, the role of government, employment, inflation, and banking. The second nine weeks place an emphasis on financial literacy that is relevant to the lives of young adults.

SOCIAL STUDIES *(Continued)*

Course: Economics Honors

Grade Level(s): 12

Course Prerequisites: Minimum of an A in U.S. History, a B in U.S. History Honors or a C in AP U.S. History and Educator Recommendation

PSAT: ERW- 570/ Math 550

Credit: 0.5

Description: Economics Honors is a required course which introduces the fundamental principles and theories of economic.. The first nine weeks of the course focus on basic issues of scarcity, supply and demand, markets, the role of government, employment, inflation, banking, and the Federal Reserve System and business organizations. The second nine weeks place an emphasis on financial literacy that is relevant to the lives of young adults. Moreover, the course addresses the impact of the commodities market on the domestic and global economies.

Course: Psychology (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: Psychology is an honors option, elective course that engages students in the understanding, articulation, and dissemination of psychology as a social science. Students are introduced to psychology, with the study of human development, learning, motivation, and personality. It emphasizes the empirical examination of behavior and mental processes, and it infuses varying perspectives that foster students' growth, and promotes an understanding of social conformity and obedience. Students of psychology will acquire information from a variety of sources, use information as they draw conclusions, make evaluations, and solve problems.

Course: Sociology (Honors Option)

Grade Level(s): 11 and 12

Course Prerequisites: None

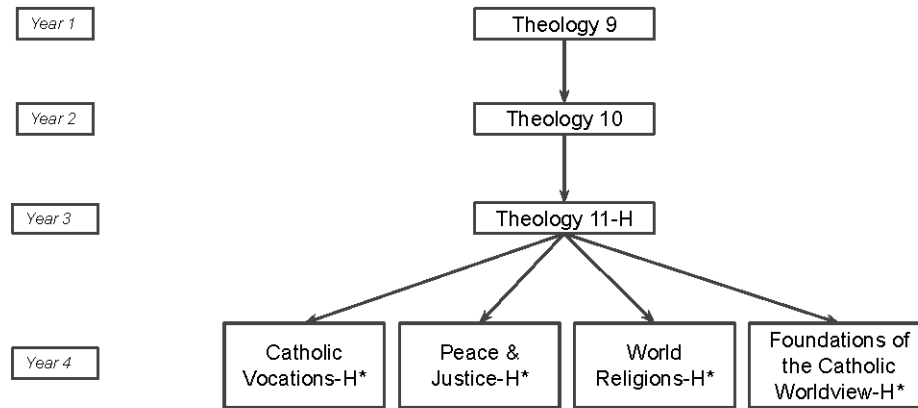
PSAT: ERW- None/ Math None

Credit: 0.5

Description: Sociology is an honors option, elective course that engages students in the understanding, articulation, and dissemination of sociology as a behavioral science. Students are introduced to sociology, with the study of culture, socialization, societal inequities, and social change. It emphasizes the observation of collective human behaviors, and it infuses varying perspectives that foster students' growth, and promotes an understanding of social norms, values, and common practices across different societies and groups. Students of Sociology will acquire information from a variety of sources as they draw conclusions, make evaluations, and solve problems.

THEOLOGY

Theology Department Course Pathways



*Indicates semester course; students choose two in Year 4.

Course: Theology 9

Grade Level(s): 9

Course Prerequisites: None

Credit: 1.0

Description: This course serves two purposes: 1) “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”; (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.6) and (2) “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.” (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.20) Corresponds to USCCB Curriculum Framework Core Courses II (“Who Is Jesus Christ?”) & V (“Sacraments as Privileged Encounters with Jesus Christ”).

THEOLOGY *(Continued)*

Course: Theology 10

Grade Level(s): 10

Course Prerequisites: None

Credit: 1.0

Description: This course serves two purposes: (1) “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. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, 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. The students will pay particular attention to the Gospels where they may grow to know and love Jesus Christ more personally”; (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.2). and (2) “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.” (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.11). Corresponds to USCCB Curriculum Framework Core Courses I (“The Revelation of Jesus Christ in Scripture”) & III (“The Mission of Jesus Christ”), and Elective Option A (“Sacred Scripture”).

Course: Theology 11 Honors

Grade Level(s): 11

Course Prerequisites: None

Credit: 1.0

Description: 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.” (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.15). Additionally, this course will help students understand that it is only through Christ that they can fully live out God’s plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ’s disciples.” (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.27). Corresponds to USCCB Curriculum Framework Core Course IV (“Jesus Christ’s Mission Continues in the Church”) & Elective Option B (“History of the Catholic Church”). Corresponds to USCCB Curriculum Framework Core Course VI (“Life in Jesus Christ”).

THEOLOGY *(Continued)*

Course: Peace and Justice Honors

Grade Level(s): 12

Course Prerequisites: None

Credit: 0.5

Description: The purpose of this course is to introduce students to the Church's Social Teaching. 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. This course focuses on Church teaching with respect to poverty, the environment, and war, as well as the impact of social justice themes in the

Gospels as they intersect with crucial public policy debates concerning life issues, prejudice, racism and the right to work. (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.40). Corresponds to USCCB Curriculum Framework Elective Option C ("Living as a Disciple of Jesus Christ in Society").

Course: World Religions Honors

Grade Level(s): 12

Course Prerequisites: None

Credit: 0.5

Description: The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems and practices differ from the Catholic faith. (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.49) Corresponds to USCCB Curriculum Framework Elective Option E ("Ecumenical and Interreligious Issues").

Course: Foundations of the Catholic Worldview Honors

Grade Level(s): 12

Course Prerequisites: None

Credit: 0.5

Description: The purpose of this course is to introduce students to the philosophical foundations of Catholicism by examining the lives and thought of philosophers and theologians who have contributed significantly to the establishment of that foundation. Emphasis is placed especially on Plato and successive Christian 'Platonists' like St. Augustine, and on Aristotle and Christian 'Aristotelians' like St. Thomas Aquinas. The relationship between these philosophers and their Christian successors is used as a model for understanding the relationship between (1) Catholicism and secular culture, (2) reason and revelation, and (3) Catholic thought and Catholic life. Contemporary Thomistic Catholics and the Church's responses to Modern and Post-modern worldviews are also considered.

THEOLOGY *(Continued)*

Course: Catholic Vocations Honors

Grade Level(s): 12

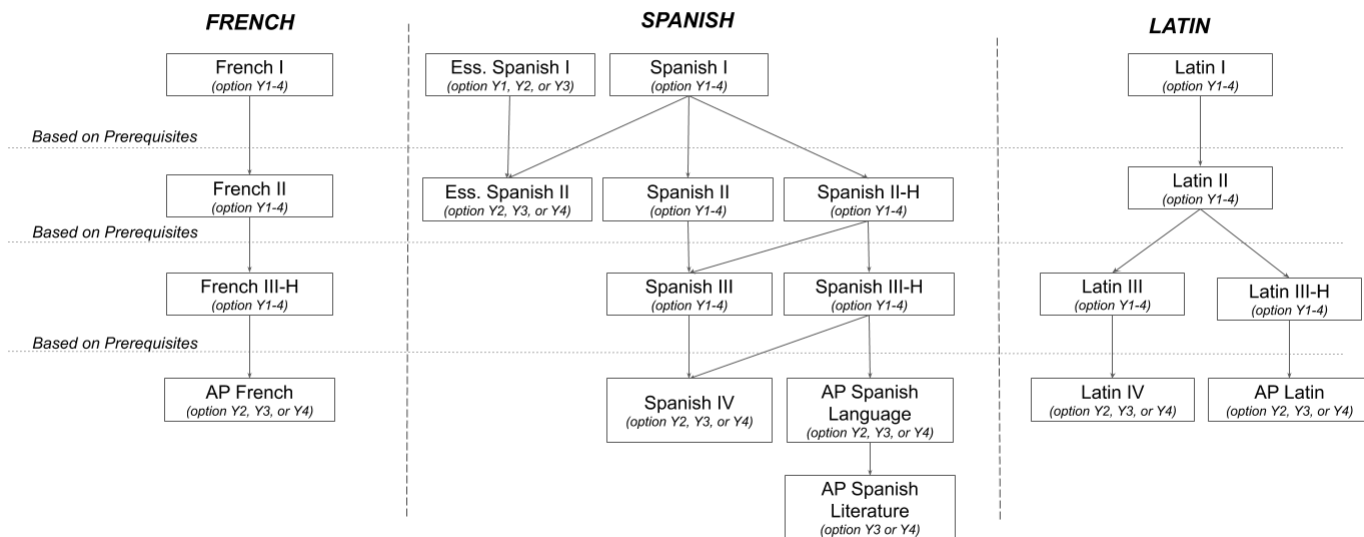
Course Prerequisites: None

Credit: 0.5

Description: 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 should learn how all vocations are similar and how they differ. The course should be structured around married life, single life, priestly life, and consecrated life. Students should 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. (Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age, p.44) Corresponds to USCCB Curriculum Framework Elective Option D ("Responding to the Call of Jesus Christ").

WORLD LANGUAGES

World Languages Department Course Pathways



Course: Latin I

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: Latin I is designed to enable students to acquire mastery of the basic structure and syntax of the Latin language; to integrate familiarity with Latin vocabulary with English derivatives and word usage; and to develop the basic language skills of reading comprehension, writing, listening, and oral reading in Latin. Students will acquire an informed appreciation of the profound influence of Roman language and civilization on the western world and upon Roman Catholic Christianity.

Course: Latin II

Grade Level(s): ALL

Course Prerequisites: Minimum average of a C in Latin I and Educator Recommendation

Credit: 1.0

Description: Latin II uses more advanced grammatical structures and provides extensive reading material designed to enable students to get meaning quickly out of the Latin sentences and paragraphs. Students will continue with their study of Roman history, mythology, and the influence of Roman culture on western civilization as a whole.

WORLD LANGUAGES *(Continued)*

Course: Latin III

Grade Level(s): ALL

Course Prerequisites: Minimum average of a C+ in Latin II and Educator Recommendation

Credit: 1.0

Description: Latin III begins with a comprehensive review of Latin grammar followed by the introduction and master of advanced Latin grammar. Students will read and translate some modified texts about Roman culture and history and Greek mythology. The course will culminate with selected readings from Roman authors considered appropriate for an intermediate level, such as Catullus, Ovid, and Pliny the Younger. Students completing this course will not be eligible to take AP Latin.

Course: Latin III Honors

Grade Level(s): ALL

Course Prerequisites: Minimum average of an A- in Latin II and Educator Recommendation

Credit: 1.0

Description: Latin III is an accelerated course which continues the program and the purpose of Latin I and Latin II while preparing students for the AP Latin course. Students acquire proficiency in advanced Latin Grammar and deepen their knowledge of Roman history, culture, and mythology. The course will include the practice of oral reading, listening, translating, and interpretation and analysis of Latin texts. The course will culminate with selected readings in Latin from Caesar's *De Bello Gallico* and Vergil's *Aeneid*.

Course: Latin IV

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of a B- average in Latin III or Latin III Honors and Educator Recommendation

Credit: 1.0

Description: This college prep course is a continuation of Latin III. It consists of a further study of advanced grammar and vocabulary, Roman culture, history, and mythology along with additional development of skills in reading, writing, and listening comprehension. Students read a variety of excerpts from authentic Latin works by authors such as Cicero, Ovid, and Catullus.

Course: AP Latin: Caesar and Vergil

Grade Level(s): 10, 11, and 12

Course Prerequisites: Minimum average of a B+ in Latin III Honors and Educator Recommendation

Credit: 1.0

Description: AP Latin is designed for the truly exceptional student of Latin who wishes to undertake the challenge of the study of two of the most read and greatest works of Western literature: *De Bello Gallico* by Julius Caesar and the *Aeneid* by Vergil. The course is extremely rigorous and will require a summer commitment. The AP Latin Exam will test some or all of the following abilities: 1) to write a literal English translation of a Latin passage, 2) to explicate specific words or phrases in context, 3) to identify the context and significance of a short excerpt, 4) to analyze and discuss structure and to demonstrate an awareness of the features used in the construction of poetry and prose. The AP course is designed to fulfill the objectives established by the College Board. Students will be responsible to complete a summer assignment for this course.

WORLD LANGUAGES *(Continued)*

Course: French I

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: French I offers students the opportunity to acquire a beginner's level of proficiency in the basic skills of understanding, speaking, reading, and writing French, and it provides an introduction to the cultures of the French-speaking world.

Course: French II

Grade Level(s): ALL

Course Prerequisites: Minimum average of a C in French I and Educator Recommendation

Credit: 1.0

Description: French II offers students the opportunity to achieve an advanced beginner's level of proficiency in the basic skills of understanding, speaking, reading, and writing French, and it provides further glimpses into the cultures of the French-speaking world.

Course: French III Honors

Grade Level(s): ALL

Course Prerequisites: Minimum average of a B+ in French II and Educator Recommendation

Credit: 1.0

Description: French III Honors offers the students the opportunity to achieve an intermediate level of proficiency in the basic skills of understanding, speaking, reading, and writing French. It continues the exploration of the cultures of the French-speaking world by means of articles, stories, literature, history, and film in French.

Course: AP French

Grade Level(s): 10, 11, and 12

Course Prerequisites: Minimum average of a B+ in French III Honors and Educator Recommendation

Credit: 1.0

Description: This course follows the prescribed curriculum of the Advanced Placement program. It provides an in-depth study of the French language through extensive reading, writing, speaking, and listening at the college level.

WORLD LANGUAGES *(Continued)*

Course: Essential Spanish I

Grade Level(s): 9, 10, and 11

Course Prerequisites: None

Credit: 1.0

Description: This course will gradually introduce students to basic grammar, vocabulary, and structures of Spanish. Emphasis will be placed on high frequency and useful expressions for everyday communication. Upon completion of Spanish I Essential, students take Spanish II Essential, a terminal course, which will fulfill the second year language requirement.

Course: Spanish I

Grade Level(s): ALL

Course Prerequisites: None

Credit: 1.0

Description: This course offers the opportunity to get acquainted with the Spanish language. The students will practice pronunciation and will work to acquire mastery of the basic structure and syntax of the language. While studying basic grammar structures, the students will also learn about the culture for both Spain and Latin America. The course will start working on the beginner's level of proficiency in the four areas of communication: speaking, reading, writing, and listening.

Course: Essential Spanish II

Grade Level(s): 10, 11, and 12

Course Prerequisites: Educator Recommendation

Credit: 1.0

Description: This course is designed for students who plan to end their language studies upon completion of Spanish II. The focus of this course is primarily on conversation and culture, rather than on increased mastery of grammar and syntax. This course does not qualify a student for admission to either third level of Spanish.

Course: Spanish II

Grade Level(s): ALL

Course Prerequisites: Minimum average of a C in Spanish I and Educator Recommendation

Credit: 1.0

Description: A continuation of Spanish I, this course offers students the opportunity to achieve an advanced beginner's level of proficiency in the basic skills of understanding, speaking, reading, and writing Spanish. It also provides further glimpses into the culture of the Spanish-speaking world.

Course: Spanish II Honors

Grade Level(s): ALL

Course Prerequisites: Minimum average of a B+ in Spanish I or score of B+ or better on the Spanish placement test and Educator Recommendation

Credit: 1.0

Description: This class is for those students who exhibited an excellent command of the language in Spanish I or scored a B+ or better on the Spanish Placement Exam. Spanish II Honors emphasizes an accelerated study of grammar, reading, speaking, listening, and writing. This course will also emphasize Hispanic culture by means of articles, literature, and history.

WORLD LANGUAGES *(Continued)*

Course: Spanish III

Grade Level(s): ALL

Course Prerequisites: Minimum of a C+ average in Spanish II Honors or Spanish II and Educator Recommendation

Credit: 1.0

Description: This course begins with a comprehensive review of Spanish grammar followed by the introduction and mastery of advanced grammar. Grammar and syntax are coordinated with readings of Hispanic culture and literature. Emphasis is also placed on developing conversational and written skills through the use of thematic vocabulary units dealing with everyday situations. Activities are used to develop oral/aural proficiency.

Course: Spanish III Honors

Grade Level(s): ALL

Course Prerequisites: Minimum of a B+ average in Spanish II Honors and Educator Recommendation

Credit: 1.0

Description: In this course, students will continue to work on listening, speaking, reading, and writing skills. All verb tenses of the Spanish language will be covered. There will be extensive reading for comprehension and vocabulary building. Students will be expected to participate in listening and/or speaking activities on a daily basis. The emphasis of the course will be on mastery of the material.

Course: Spanish IV

Grade Level(s): 10, 11, and 12

Course Prerequisites: Minimum of a C+ average in Spanish III or Spanish III Honors and Educator Recommendation

Credit: 1.0

Description: This college prep course is a continuation of Spanish III. It will consist of further study of advanced grammar and vocabulary, along with further development of skills in reading, writing, listening comprehension, and speaking.

Course: AP Spanish Language

Grade Level(s): 10, 11, and 12

Course Prerequisites: Minimum of a B+ average in Spanish III Honors and Educator Recommendation

Credit: 1.0

Description: This course follows the prescribed curriculum of the AP Program. It provides an in-depth study of the Spanish language through extensive reading, writing, speaking, and listening at the college level.

Course: AP Spanish Literature

Grade Level(s): 11 and 12

Course Prerequisites: Minimum of a B+ average in AP Spanish Language and Educator Recommendation

Credit: 1.0

Description: AP Spanish Literature is an advanced course designed to be the final step of preparation at the high school level. This course focuses on analyzing the literary selections on the AP Literature list. The course will concentrate on different literary genres: poetry, short stories, drama, and longer prose; the students will read, analyze, discuss, compare, and write extensively on these readings. There is a summer reading assignment for preparation for this course.

ZERO-PERIOD OFFERINGS

Course: Business Management

Grade Level(s): 11 and 12

Course Prerequisites: None

Credit: 0.5

Description: This course offers an overview for student understanding of business management, including customer relationship management, human resources management, information management, knowledge management, product-development management, project management, quality management, and strategic management. Economics, finance, and professional development are also covered. Appropriate work-based learning strategies may include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. This class has online requirements and is offered from 7:05-7:50 A.M. two days per week. Students may register for this class by submitting the form: www.cghsnc.org/specialrequest. This course does not satisfy the BTE graduation requirement.

Course: Public Speaking and Presentation

Grade Level(s): 11 and 12

Course Prerequisites: None

PSAT: ERW- None/ Math None

Credit: 0.5

Description: Public Speaking and Presentation provides a general introduction to and extensive practice in the art of communication and different kinds of speeches. This elective examines the elements of what makes an effective speech, specifically speeches to inform, to persuade, and to entertain varying audiences in different settings. Public Speaking and Presentation will develop both writing and presentation skills through a series of class experiences that provide many opportunities to practice and perfect speech creation and delivery. It also requires analysis of speeches and peer reviews that will improve students' public speaking abilities over the course of this class. This class has online requirements and is offered from 7:05-7:50 A.M. two days per week. Students can register for this class by submitting the form: www.cghsnc.org/specialrequest. This course does not satisfy the English graduation requirement.

Course: Yoga and Mindfulness I

Grade Level(s): 10, 11, and 12

Course Prerequisites: none

Credit: 0.5

Description: This zero-period course is a one-semester overview of the physical practice of yoga as well as mindfulness techniques guided meditation, breathwork, and journal reflection. Students gain a basic understanding of yoga poses and movement, including practical anatomical knowledge, while also developing a greater ability to manage stress and live mindfully. Class meetings are two times weekly from 7:00am until 7:45am. This course does not satisfy the PE graduation requirement.

Course: Yoga and Mindfulness II

Grade Level(s): 10, 11, and 12

Course Prerequisites: Yoga and Mindfulness I

Credit: 0.5

Description: In this zero-period course, students who have completed Yoga and Mindfulness I may continue to grow their practice by deepening their understanding and knowledge surrounding aspects of yoga and mindfulness that interest them specifically. Students will have opportunities for guided independent research and study into unique aspects of yoga, meditation, and mindful living while also attending weekly yoga classes as a community. This course does not satisfy the PE graduation requirement.

NON-CURRICULAR OFFERINGS

Course: Curriculum Assistance

Grade Level(s): ALL

Course Prerequisites: Educator Recommendation

Credit: 1.0

Description: The Curriculum Assistance program is for students with documented learning differences. The purpose of the program is to provide individual assistance in the area of organizational skills; and to give academic support in course work. Prior to acceptance into the program, test scores, diagnostic evaluations and other pertinent material will be reviewed to determine eligibility and to identify the specific accommodations that can be made for the student. A grade of Pass or Fail is given for this course.

Course: Study Hall

Grade Level(s): ALL

Course Prerequisites: None

Credit: 0

Description: Study Hall is a semester course which allows students to work on projects, assignments and school work. Students do not receive a grade nor earn credit toward graduation for this course. Study Hall is not listed on the Cardinal Gibbons High School Transcript.

CARDINAL GIBBONS EDUCATOR DIRECTORY

Last Name	First Name	Title/Department	Email Address
Alexander	Patricia	STARS Coordinator	palexander@cghsnc.org
Anders	Crista	Director of Retreats	canders@cghsnc.org
Aragona	John	Educator – Social Studies	jaragona@cghsnc.org
Argueta Zuniga	Rodolfo	IT Assistant	rargueta@cghsnc.org
Armfield	Jonathan	BTE Department Chair	jarmfield@cghsnc.org
Aull	Stewart	Educator – Fine Arts	saul@cghsnc.org
Bahm	James	Educator – Social Studies	jbahm@cghsnc.org
Barkan	Nancy	Interim Principal/Assistant Principal - Instruction	nbarkan@cghsnc.org
Battistoni	Nadia	Personnel and Office Manager	nbattistoni@cghsnc.org
Beale	Nancy	World Languages Department Chair	nbeale@cghsnc.org
Beese	Alene	Receptionist	abeese@cghsnc.org
Beuris	Sharon	Business Office Controller	sbeuris@cghsnc.org
Blake	J. Mike	Educator – English	jmikeblake@cghsnc.org
Blanton	Taylor	Educator – Social Studies	tblanton@cghsnc.org
Bradshaw	Amy	Educator – World Languages	abradshaw@cghsnc.org
Burn	Gabi	Educator – Science/Director of Leadership Formation	gburn@cghsnc.org
Burns	Kendra	Registrar	kburns@cghsnc.org
Camara	Celia	Cafeteria Staff	ccamara@cghsnc.org
Casas	Miguel	Educator – World Languages	mcasas@cghsnc.org
Cashin	Mark	Educator – Fine Arts	mcashin@cghsnc.org
Catterson	Will	Educator – Math	wcatterson@cghsnc.org
Chugh	Tess	Educator – Science	tchugh@cghsnc.org
Cipriano	Jennifer	Educator – Math	jcipriano@cghsnc.org
Coe	Lesley	Director of Technology	lcoe@cghsnc.org
Costello	Caroline	College Counselor	ccostello@cghsnc.org
Crabbe	David	Educator – World Languages	dcrabbe@cghsnc.org
Crabbe	Whitney	Educator – World Languages	wcrabbe@cghsnc.org
Curatolo	Michael	Assistant Principal - Student Life	mcuratolo@cghsnc.org
Damare	Kelly	Educator – World Languages	kdamare@cghsnc.org
Dandurand	Kim	Educator – Theology	kdandurand@cghsnc.org
Dason	Rebecca	Educator – Fine Arts	rdason@cghsnc.org
Degnan	Casey	Director of Student Engagement	cdegan@cghsnc.org
DeLaRosa	Mark	Educator – Theology	mdelarosa@cghsnc.org
Derouin	Paige	Educator – Science	pderouin@cghsnc.org
Donahue	Genevieve	Educator – Mathematics	gdonahue@cghsnc.org
Drew	Nick	Educator – Physical Education	ndrew@cghsnc.org
Durney	Luke	Educator – English	ldurney@cghsnc.org

Edrington	Kristin	College Counseling Coordinator	kedrington@cghsnc.org
Ellis	Susan	College Counselor	sellis@cghsnc.org
Ernenwein	Amy	Director of Professional Development	aernenwein@cghsnc.org
Faur	Austin	Educator — Theology	afaur@cghsnc.org
Ferguson	Kevin	Fine Arts Department Chair	kferguson@cghsnc.org
Ferguson	Stephen	Educator — Social Studies	sferguson@cghsnc.org
Ferris	John	Educator — Social Studies	iferris@cghsnc.org
Fisher	Mollie	Educator — Math	mfisher@cghsnc.org
Fogarty	Rachel	Educator — Science	rfogarty@cghsnc.org
Frederick	Shari	Educator — Math	sfrederick@cghsnc.org
Friedman	Michael	Educator — English	mfriedman@cghsnc.org
Gallagher	Patricia	Educator — Theology and Curriculum Assistance	pgallagher@cghsnc.org
Galloway	Gordon	Educator — Social Studies	ggalloway@cghsnc.org
Garbarine	Rachelle	Director of Communications	rgarbarine@cghsnc.org
Gentile	Lauren	Educator — Science	lgentile@cghsnc.org
Gregory	JP	Director of Institutional Advancement	jpgregory@cghsnc.org
Hadsell	Jeanette	Director of College Counseling	jhadsell@cghsnc.org
Harrison	Jennifer	Educator — Fine Arts	jharrison@cghsnc.org
Harrison	Karestin	Educator — Fine Arts	kharrison@cghsnc.org
Hawks	Andy	Educator — Fine Arts	ahawks@cghsnc.org
Healy	Tim	Educator — Math	thealy@cghsnc.org
Healy	Wendy	Educator — Science	whealy@cghsnc.org
Healy	William	Educator — BTE	bhealy@cghsnc.org
Henderson	John	Educator — Math	jhenderson@cghsnc.org
Herche	Nicole	Educator — English	nherche@cghsnc.org
High	Roland	Maintenance Staff	rhigh@cghsnc.org
Hill	Maria	Educator — English	mhill@cghsnc.org
Holmes	Tonya	Director of Student Engagement	tholmes@cghsnc.org
House	Robert	Maintenance Staff	bhouse@cghsnc.org
Hudson	Doug	Educator — Theology	dhudson@cghsnc.org
Ingerham	Laura	English Department Chair	lingerham@cghsnc.org
Ingraham	Terri	Associate Media Coordinator	tingraham@cghsnc.org
Jiampetti	Gina	Director of Parent Engagement	gjampetti@cghsnc.org
Jukic	Daniel	Digital Engagement Manager	djukic@cghsnc.org
Karazin	Ursula	Educator — Math	ukarazin@cghsnc.org
Kemple	Christopher	Educator — Fine Arts	ckemple@cghsnc.org
Korejwo, SND	Sr. Mary Jean	Administrative Assistant – Business Office	mjkorejwo@cghsnc.org
Kozak	Kathleen	Educator — Theology	kkozak@cghsnc.org
Kratzke	Katherine	Educator — Science	kkratzke@cghsnc.org
Kuhns	Nicole	College Counselor	nkuhns@cghsnc.org

Kuszaj	Sarah	Educator – Science	skuszaj@cghsnc.org
Lackey	Georgia	Educator – World Languages	glackey@cghsnc.org
Langevin	Bob	Educator – Substitute Educator	rlangevin@cghsnc.org
Leigh	Susan	Associate Director of Alumni Advancement	sleigh@cghsnc.org
Liebler	Jim	Social Studies Department Chair	jliebler@cghsnc.org
Liedy	Bill	Educator – Physical Education	bliedy@cghsnc.org
Lowe	Jessica	Educator – Social Studies	jlowe@cghsnc.org
Lumsden	Treve	Educator – Social Studies	tlumsden@cghsnc.org
Mangum	Nick	Educator – Social Studies	nmangum@cghsnc.org
Martin	Rick	Theology Department Chair	rmartin@cghsnc.org
Mauney	Jana	Educator – BTE	jmauney@cghsnc.org
Mazzocchi	Mary Clare	Educator – Theology	mmazzocchi@cghsnc.org
McCarty	Marianne	Director of Admissions	mmccarty@cghsnc.org
McClellan	Diane	Educator – Math	dmcclellan@cghsnc.org
McKinnie	Edward	Maintenance	emckinnie@cghsnc.org
Melcher	Angie	Educator – Science	amelcher@cghsnc.org
Menon	Jennifer	Advancement Database Coordinator	jmenon@cghsnc.org
Meyerl	Gary	Director of Outreach	gmeyerl@cghsnc.org
Miller	Denise	Cafeteria Manager	dmiller@cghsnc.org
Miller	Katharine	Educator – Fine Arts	kmiller@cghsnc.org
Mills	David	Athletic Trainer and Assistant Athletic Director	dmills@cghsnc.org
Monroe	Dean	Director of Athletic Leadership	dmonroe@cghsnc.org
Monti	Margaret	Educator – Theology	mmonti@cghsnc.org
Morland	Christopher	Educator – Physical Education	cmorland@cghsnc.org
Nolan	Brent	Educator – BTE	bnolan@cghsnc.org
Norman	Lisa	Administrative Assistant – Athletics & Technology	lnorman@cghsnc.org
Oschwald	Fr. Daniel	Chaplain	FrDaniel@cghsnc.org
Owen	Lauren	Educator – English	lowen@cghsnc.org
Owens	Brooks	Educator – Fine Arts	bowens@cghsnc.org
Owens	Jim	Educator – Science	jowens@cghsnc.org
Paez	Peggy	Attendance Director	ppaez@cghsnc.org
Poisella	Christopher	Educator – Math	cpoisella@cghsnc.org
Porter	Dan	Science Department Chair	dporter@cghsnc.org
Porter	Shermanne	Business Office Student Accounts Coordinator	sporter@cghsnc.org
Reade	Tripp	Librarian	treade@cghsnc.org
Ripollone	Diane	Educator – Science	dripollone@cghsnc.org
Robbins	Cassie	Educator – Social Studies	crobbs@cghsnc.org
Roche	Michael	Educator – Science	mroche@cghsnc.org
Rogosich	Michael	Assistant Principal – Student Engagement	mrogosich@cghsnc.org
Rokita	Amy	Educator – English	arokita@cghsnc.org

Ryan	Jim	Educator – English	jryan@cghsnc.org
Sartori	Emily	Educator – Fine Arts	esartori@cghsnc.org
Schemmel	Sr. Janet	Educator – Science	sschemmel@cghsnc.org
Schuler	Todd	Athletic Director	tschuler@cghsnc.org
Sellers	Christie	Educator – World Languages	csellers@cghsnc.org
Seninsky	Erica	Educator – Fine Arts	eseninsky@cghsnc.org
Shea	Theresa	Educator – World Languages	tshea@cghsnc.org
Sheehan	Michael	Educator – English	msheehan@cghsnc.org
Shell	Angie	Nurse	ashell@cghsnc.org
Smith	Okesa	Attendance Assistant	osmith@cghsnc.org
Spencer	David	Educator – Fine Arts	dspencer@cghsnc.org
Sprague	John	Educator – Math	jsprague@cghsnc.org
Stephens	Kathy	Business Manager	kstephens@cghsnc.org
Tawater	Mark	Educator – Social Studies	mtawater@cghsnc.org
Taylor	Deborah	Educator – English	dtaylor@cghsnc.org
Thomas	Clay	Educator – English	cthomas@cghsnc.org
Thompson	Dawn	School Store and Administrative Assistant	dthompson@cghsnc.org
Timberlake	Kimberly	Educator – Math	ktimberlake@cghsnc.org
Tobin	Phillip	Educator – Theology	ptobin@cghsnc.org
Troy	Joan	Math Department Chair	jtroy@cghsnc.org
Tuttle	Andrew	Educator – Math	atuttle@cghsnc.org
Vance	Alina	Educator – Fine Arts	avance@cghsnc.org
Weber	Julie	Educator – World Languages	jweber@cghsnc.org
Wedderburn	Anthoni	Educator – Physical Education and Athletic Trainer	awedderburn@cghsnc.org
West	Emily	Educator – Theology	ewest@cghsnc.org
Williams	Darsey	Educator – BTE	dwilliams@cghsnc.org
Williams	Tiffany	College Counselor	twilliams@cghsnc.org
Wright	Steven	Physical Education Department Chair	swright@cghsnc.org
Yelenic	Tim	Director of Retreats	tyelenic@cghsnc.org
Zaldivar	Martha	Educator – Fine Arts	mzaldivar@cghsnc.org

Department Chairs

Jon Armfield – Business, Technology, Engineering

Nancy Beale – World Languages

Kevin Ferguson – Fine Arts

Laura Ingerham – English

James Liebler – Social Studies

Rick Martin – Theology

Dan Porter – Science

Joan Troy – Math

Steven Wright - PE

Course Registration Worksheet

	Grade 9	Grade 10	Grade 11	Grade 12
English				
Math				
Science				
Social Studies				
World Languages				
Theology				
Fine Arts				
PE				
Business, Technology, Engineering				
Electives				

SYMPHONIC BAND *clay* SOCIOLOGY
theology SPANISH **SCIENCE**
biology TECHNICAL THEATRE *computer modeling*
FILM drawing *yearbook* SCREENWRITING *guitar*
MUSIC digital media *astronomy*
string orchestra **FRESHMAN SEMINAR**
PERCUSSION **STARS** ECONOMICS creative writing
chemistry *us government* **math** BUSINESS
AMERICAN LITERATURE *art history* *data science*
FORENSICS *environmental science* ART HISTORY
anatomy and physiology CHORUS psychology
MUSICAL THEATRE WORKSHOP dance
TECHNOLOGY *marketing* **ENGLISH**
algebra **ART** *british literature* *engineering*
DRAMA **SOCIAL STUDIES** music theory
FOUNDATIONS OF THE CATHOLIC WORLDVIEW
calculus *creative video* *history* physics
CATHOLIC VOCATIONS *marine ecology* COMPOSITION **PHOTOGRAPHY**
physical education *latin*
ADVANCED FUNCTIONS AND MODELING



CARDINAL
GIBBONS
HIGH SCHOOL