

## TABLE OF CONTENTS

Registration Procedure.....	2
Tuition and Fees.....	3
Graduation Requirements.....	4
Course Levels and Academic Standards.....	5
Course Descriptions	
Law & Leadership.....	6
Theology.....	7
English .....	9
Social Studies.....	13
Science.....	19
Physical Education.....	28
Mathematics.....	29
Technology/Engineering .....	33
World Languages.....	37
Visual and Performing Arts.....	42

## **Registration Procedure**

The course selection process is generally student-directed, but parent involvement is important. Parents and students should read this booklet in its entirety and discuss the student's plans for the future and how they relate to the courses they wish to take. Students are advised to discuss college and career aspirations and any resulting course requirements with their counselor. We urge parents and students to discuss course selections in relation to the students' academic goals and talents.

To complete registration for the 2019-2020 school year:

- Using Plus Portals, students select the courses they want to take based on their teachers' recommendations, their college and career aspirations, and their personal interests. We encourage all students to consult with their parents as they complete this process.
- As necessary, counselors meet with students who have questions or concerns regarding course selections or in cases where there is a discrepancy between a student's selections and her teachers' recommendations.
- Students receive a list of the course selections that have been officially entered into the school's database. Students then have the opportunity to discuss and make any corrections or changes with their guidance counselor.
- Tuition is guaranteed for four years and will not increase through senior year (see p.3).

Questions regarding course selections should be directed to the Guidance Office at 410-732-6200: Mrs. McIntyre, ext. 228. For questions concerning fees, payment schedules, or financial aid, call the Business Office, ext. 226.

Course offerings are subject to change upon notice and are dependent upon sufficient course enrollment. Course offerings are not guaranteed by their publication in this document.

### **Tuition and Fees**

#### **School Year 2019-2020**

<b><u>Tuition:</u> Grade 9</b>	<b>\$14,800 (Fixed through 2022)</b>
<b>Grade 10</b>	<b>\$14,600 (Fixed through 2021)</b>
<b>Grade 11</b>	<b>\$14,600 (Fixed through 2020)</b>
<b>Grade 12</b>	<b>\$14,300</b>

**A Tuition Refund Plan is available at 2.0% of tuition and all fees and it is mandatory for the 11-month payment plan. It is optional, but encouraged, for full and semi-annual payment plans.**

#### **Additional Archangel Fee:**

**Grades 9 & 10: Full \$1,500.00**

**Grades 9 & 10: Partial \$1,000.00**

#### **Registration Fee: (non-refundable)**

##### **New Students:**

**Registration Fee: \$175** Deadline is March 8, 2019

**Tuition Deposit: +\$500** Due at time of initial registration

##### **Current Students:**

**Early Registration Fee: \$175** if received in the Business Office by February 22, 2019

**Late Registration Fee: \$275** if received in the Business Office after February 25, 2019

**Technology/Activity Fee:**

**All Grades: \$1,100.00**

Includes technology maintenance and software fees, instructional materials, distance learning, yearbook, liturgies, retreats, and the warranty and licensing fees associated with the iPad computer notebooks.

**Senior Fee: \$350**

Includes retreat, transportation, Baccalaureate, and graduation expenses. This fee is in addition to the Technology/Activity Fee.

**Additional Fees:**

There are additional fees for students selecting certain AP courses. Other fees may be required for special events, trips, and other purchases.

**Payment-in-Full discount:**

Payments-in-full received by June 1, 2019 receive a 3% discount. Credit card payers or recipients of any other discounts, aid, grants, or scholarships are not eligible for this discount.

**GRADUATION REQUIREMENTS**

**Classes of 2020 through 2023**

Theology	4 credits
English	4 credits
Social Studies	3 credits
Mathematics	4 credits
Science	3 credits
World Language	2 credits
Health/Physical Education	1 credit
Visual and Performing Arts	1 credit
Technology	.5 credit
Electives	5.5 credits
Community Service	30 hours per year

The administration of Catholic High retains the right to make minor adjustments in credit requirements for graduation in situations where a student's accomplishment in a particular area may warrant it. In all cases, the requirements of the Maryland State Department of

Education for Non-Public Schools will be met. The decision of The Catholic High School of Baltimore in these matters is final.

### **COURSE LEVELS**

**AP – Advanced Placement**

**H – Honors**

**CP – College Preparatory**

### **ACADEMIC STANDARDS**

Academic subjects may be offered at the College Preparatory, Honors, or AP level.

Course placement for entering students is based on transcript of grades earned and performance on standardized testing.

Course placement for current students is based on academic performance at TCHS.

Students should meet the following criteria to maintain or advance course placements into the next year, as follows:

<b>Level to Level</b>	<b>Criteria/Grade in Current Year's Course</b>
Honors to Honors or AP to AP*	B
Honors to AP	B+ and permission of Department Chair
CP to Honors	B+ and permission of Department Chair
CP to AP	Permission from the Department Chair and from an additional teacher in the content area.

\*Additionally, students registering for Advanced Placement courses in the History or English Departments must submit a writing sample of acceptable quality based upon an AP scoring rubric in order to be approved for enrollment in the class.

Aside from the criteria for determination of course placement, individual courses may have their own specific prerequisites. Where applicable, prerequisites are listed on the following pages under the relevant course description.

## **COURSE DESCRIPTIONS**

### **A Program of Law and Leadership In the Franciscan Tradition**

**Purpose:** This program empowers young women to be active, engaged citizens by providing them with the knowledge and skills they need to successfully effect change in local and global communities. This program is intended for young women who have excellent writing, presentation, and communication skills while providing leadership opportunities, extracurricular involvement, and real-world experiences in Law and Leadership. Our curriculum is designed to develop the essential skills of responsible leadership, and an appreciation for the principals and values upon which the legal system rests in order to successfully change society in a morally, ethically, and responsible way.

<b>Year</b>	<b>Courses</b>
<b>9<sup>th</sup> Grade</b>	Responsible Leadership in the Franciscan Tradition (.5 credit) Latin I or French I (1 credit)
<b>10<sup>th</sup> Grade</b>	US History (1 credit) Latin II or French II (1 credit) American Civil Rights & Legal Issues (.5 credit) Maryland History (.5 credit)
<b>11<sup>th</sup> Grade</b>	Government (1 credit) Consumer Economics (1 credit) Law, Research, and Writing (.5 credit)
<b>12<sup>th</sup> Grade</b>	Leadership and Social Justice (.5 credit) Law through History (.5 credit) Global Issues (.5 credit) Capstone – Strategic Plan

Students must participate in at least two of the following extra-curricular activities in order to fulfill the requirements of this program:

- Duns Scotus Forensics Society
- Student Council
- Youth and Government Program
- TCHS/Curley Mock Trial Team
- Student Congress
- Maryland Page Program
- Model UN Club

## **THEOLOGY**

### **012 CP Theology Scripture and Revelation**

Theology 9

Grade 9

Credit 1

In the first semester of grade 9, students explore the Bible, our Sacred Scripture. Students prayerfully reflect on the Word of God in the Old and New Testament. Students grow in their knowledge of the God of Salvation History: Father, Son, and Holy Spirit.

In the second semester students, consider the mystery of Jesus Christ as the ultimate revelation of the Holy Trinity. This reflection provides a context to articulate and answer their call to discipleship.

### **022 CP Theology the Paschal Mystery of Christ and His Church**

Theology 10

Grade 10

Credit 1

In the first semester of grade 10, students take an in-depth course on the Paschal Mystery of Christ: His Passion, Death, Resurrection, and Ascension. Students explore some of the great mysteries of life and the profound love that our God has for us.

In the second semester, students examine the nature and mission of the Church founded by Christ and guided by the Holy Spirit. Students explore the mystery and history of the “One, Holy, Catholic, and Apostolic Church.”

### **032 CP Theology Sacraments and Morality**

Theology 11

Grade 11

Credit 1

In the first semester of grade 11, students closely examine the Seven Sacraments of the Catholic Church. By prayerfully reflecting on the history and elements of each Sacrament, students have the opportunity for a deeper encounter with Jesus, our ultimate Sacrament.

In the second semester, the students are challenged to live out more completely the Gospel message. By exploring the moral laws, concepts, and precepts of the Catholic Christian faith, students have a greater understanding of God's universal truth. This knowledge helps students as they attempt to more fully discern God's plan for their lives.

### **041 H Theology Apologetics**

Apologetic

Grade 12

Credit 1

Apologetics is the careful explanation and analysis of the philosophical implications and the doctrinal content of faith as expressed in the creeds, doctrines, and theological writings of the Christian Tradition. This course is a capstone experience that draws on the theology taught in the first three years. The graduating senior then finds it possible, in the words of St. Francis to "Preach the Gospel always, and use words if necessary."

### **042 CP Theology World Religions and History of the Church**

Theology 12

Grade 12

Credit: 1

In the first semester, students examine the many Religions of the World in light of Natural and Divine Revelation. This course helps students see spiritual truths in non-Christian Religions, and grow in the ecumenical spirit of the Church since Vatican II. Students study of the Three Abrahamic Faiths as well as the religions of India, China, and Japan form the main content.



In the second semester students journey through the 2,000-year history of the Church. Students identify the main civilizational trends of the Ancient, Medieval, and Modern Periods, and how they affected the Church.

### **044 H, 045 CP Journey Through the Bible**

Bible/Jrn

Grade 12

Credit 1

In the first semester, students gain an understanding of the Bible as a whole, from Genesis through Revelation. Salvation History comes alive and students are able to more fully participate in the Liturgical worship of the family of God.

In the second semester, students explore the call of Christ in their lives. How can one live a life as a true disciple of Christ? A great variety of Christian sources are used to assist students in their search for a fulfilling life centered in God.

### **100 CP Responsible Leadership in the Franciscan Tradition**

Franciscan

Grade 9

Credit .5

This course explores how to be a leader in today's challenging environment. Students learn transferable skills that help them contribute courteously to our ever-changing world as ethical leaders. Supported by Franciscan values, this program is holistic and built on the philosophy of servant leadership.

## **ENGLISH**

### **103 CP, 104 CP Academic Cognitive Enrichment**

ACE I and ACE II

Grades 9, 10

Credit 1

As part of the Archangel Program, these courses enrich the students' academic cognitive abilities by focusing on improving academic skills,

remediation, class work, study skills, time management, organizational skills, and test-taking strategies. Students participate in lessons that help them improve in their most needed areas.

### **111 H, 112/113 CP English Composition and Literature**

Lit/Comp 9

Grade 9

Credit 1

English 9 focuses on developing reading comprehension for analysis and writing skills. Students read, interpret, and analyze fiction and nonfiction through an in-depth study of novels, short stories, poetry, and drama. While reading and writing a variety of essays, students learn and apply MLA format, sentence structure, paragraph development, grammar and vocabulary.

### **121 H, 122/123 CP American Literature and Composition**

HAmerican Lit 10

AmL/Comp 2

Grade 10

Credit 1

This course surveys American literature through modern times. Students explore the culture, heritage, and history of the American people through the study of short stories, poetry, novels, and drama. Students interact with literature through various types of essays, expanding on writing skills learned in English 9.

### **131 H, 132 CP British Literature and Composition**

Brit Lit H

Brit Lit/Comp 11

Grade 11

Credit 1

British Literature surveys the development of British literature from its origins through the 20th century. Students read a variety of fiction, drama, poetry, and prose while examining the social and cultural impact each historical period had on the literature of the time. Additionally, students continue to build and hone their reading

comprehension, writing, listening, speaking, and vocabulary skills. Grammar, mechanics, and usage are covered within the context of the literature and writing.

### **141 H, 142 CP World Literature and Composition**

Wld Lit/Comp 12

Grade 12

Credit 1

World Literature students explore world cultures through literature from ancient to modern times. Students analyze literature by comparing and contrasting themes and evaluating the philosophical, political, ethical, and social influences that shape the literature in a particular place and time. Students develop writing and critical thinking skills through reflective and analytical essays. Knowledge of themes or issues from the literature is demonstrated through writing, presenting, and defending a research paper.

### **148 AP Language and Composition**

AP EngLang/Comp

Grade 11

Credit 1

AP English Language and Composition is an academically rigorous course that provides students the rhetorical foundations that prepare them for the demands of academic and professional writing. The course also examines the formal study of argumentation. Students read sophisticated, thought-provoking nonfiction and fiction texts. They practice writing in several rhetorical modes. Throughout the course, students continue building and honing their vocabulary and grammar, usage, and mechanics skills.

#### **PREREQUISITE:**

See page 5

AP test fee may apply

### **149 AP AP Literature and Composition**

AP Eng Lit/Comp

Grade 12

Credit 1

AP English Literature and Composition students engage in the careful reading and analysis of novels, plays, poems, and short stories from various authors and time periods. Emphasis is placed on reading comprehension, critical analysis of works, literary vocabulary, and recognizing and understanding literary devices. Students practice and develop writing skills through analytical and argumentative essays as well as critical response and reflection.

#### **PREREQUISITE:**

See page 5

AP test fee may apply

### **170 CP Art of Film**

Artof Film

Grades 11 and 12

Credit 1

This is an introductory course that acquaints students with the art of film and enables them to gain a greater understanding and appreciation of this important medium. The course covers the history of cinema, various cinematic theories and genres, and profiles the industry's most influential directors. The course also incorporates extensive screenings of selected films and readings from film literature.

### **174 CP Mythology, Folklore, and Fairy Tales**

Myth/Folk

Grades 10,11,12

Credit .5

This course introduces students to the magical world of mighty heroes, angry gods and goddesses, cunning animals, and fairy tale conventions. Throughout the course, students focus on the many myths, legends, and fairy tales that have been woven into different cultures. Students examine and analyze how this literature has affected and shaped modern society and literature.

## **572 CP SAT Prep**

SAT Prep

Grade 11 and 12

Credit .5

This online course offers students a review of the academic skills necessary for success in verbal, math, and writing portions of the SAT. Test techniques are reviewed and practiced. This course is primarily designed for juniors prior to taking the test in the spring. A limited number of seniors may take the course in the fall semester if they are taking the December or January administration of the SAT.

Educere's tuition fee is approximately \$300.

## **SOCIAL STUDIES**

### **211 H, 212 CP, 213 CP World Civilizations**

WldCiv H

WldCiv CP

Grade 9

Credit 1

This course studies the major cultural, economic, political, and social events from ancient times through the Renaissance, as well as the geographical settings in which they occurred. Students investigate the rise and fall of empires and the development of nation states. A correlation is made between past events and the modern world. Emphasis is placed on critical thinking, deductive reasoning, independent research, writing skills, and primary sources.

### **221 H, 222 CP, 223 CP United States History**

US HistoryH

US History CP

Grade 10

Credit 1

This course is an integrated survey of the development of our nation and it examines the historical, political, social, religious, constitutional, and geographic aspects of the United States, emphasizing research skills, critical thinking, and deductive reasoning. Writing and other independent work is expected of each student.

#### **PREREQUISITE:**

Successful completion of World Civilizations 1

### **230 AP Government**

Govt AP

Grades 11 and 12

Credit 1

This course includes the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. Students become familiar with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics, and become acquainted with a variety of theoretical perspectives and explanations for various behaviors and outcomes. Upon completion of this course, students are prepared to take the Advanced Placement Exam in Government and Politics.

#### **PREREQUISITE:**

See page 5

AP test fee may apply

### **231 H, 232 CP United States Government**

GovernmentH

GovernmentCP

Grade 11

Credit 1

This course looks at the English origins of our federal, state, and local governments. It examines the what, how, and why of the changes that have occurred in the formation of our present American system of government. Students evaluate how our government works through participation in real world applications and simulations that help to analyze different aspects of democracy. Being a good citizen and an effective member of a participating democracy is stressed throughout the course. Students learn independent research, critical thinking, in-depth writing, and constitutional development.

#### **PREREQUISITE:**

Successful completion of US History and recommendation of teacher

### **236 CP Maryland History**

Mary/History

Grades 11 and 12 or Law & Leadership

Credit .5

Students examine the rich history of the state of Maryland from its founding in 1634 to the present. The course focuses on the overarching social themes of economics, politics, and class as they

apply to major historical time periods. Topics covered include Maryland's role as tobacco colony, in Revolutionary, Civil, and World Wars, as well as during the Civil Rights movement. The history of the city of Baltimore is also a major topic of the course.

### **245 AP United States History**

APUSHistory

Grade 10

Credit 1

This course is an integrated survey of the development of our nation. Students examine the historical, political, social, religious, constitutional, and geographic aspects of the United States. Students develop independent research skills, as well as critical thinking, and deductive reasoning skills through primary and secondary sources. This course involves extensive writing and other independent work. Upon successful completion of this course, students are prepared to take the Advanced Placement U. S. History Exam.

#### **PREREQUISITE:**

See page 5

AP test fee may apply

### **220 AP European History**

AP EurHist

Grade 12

Credit 1

In this course students investigate significant events, individuals, developments, and processes in four historical periods from the 1400's to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources, developing historical arguments, making historical comparisons, and utilizing reasoning about context, causation, continuity and change over time.

### **251 Abnormal Psychology**

***(Offered online through Anne Arundel Community College)***

HAbnormPsy

Grades 11 and 12

Credit .5 high school credits (TCHS)

3 college credit hours (AACC)

Students learn about mental disorders, including an examination of causes, symptoms, treatment, and management. They study anxiety disorders, mood disorders, personality disorders, and schizophrenia. Students explore problems in the field of abnormal psychology and discuss current attempts to solve them.

**PREREQUISITE:**

Successful completion of course 253 Introduction to Psychology  
Anne Arundel Community College tuition applies to this course.  
(Approximately \$400.00)  
(This is not an AP class, but quality points are assigned at the AP level)

**253 Introduction to Psychology (College Psychology)**  
***(Offered online through Anne Arundel Community College)***

Grades 11 and 12

Credit .5 high school credits (TCHS)

3 college credit hours (AACC)

Students explore major psychological theories and concepts and related current research. Topics include learning, psychological bases of behavior, motivation and emotions, human development, personality, and abnormal behavior.

**PREREQUISITE:**

Anne Arundel Community College tuition applies to this course.  
(Approximately \$400.00)  
SAT reading score of 500 and math score of 500 **OR** ACT  
english score of 18 and math score of 21 **OR** successful  
Accuplacer Assessment (see guidance office for details)  
(This is not an AP class, but quality points are assigned at the AP level)

**270 Introduction to Sociology**  
***(Offered online through Anne Arundel Community College)***

Grade 11 and 12

Credit .5 high school credits (TCHS)

3 college credit hours (AACC)

Students learn sociological principles and perspectives as a way of understanding everyday social life. They study meanings and functions



of various roles in historical and contemporary societies. Students evaluate causes, consequences, and comparisons of social hierarchies.

**PREREQUISITE:**

Anne Arundel Community College tuition applies to this course. (Approximately \$400.00)

SAT reading score of 500 and math score of 500 **OR** ACT english score of 18 and math score of 21 **OR** successful Accuplacer Assessment (see guidance office for details)

(This is not an AP class, but quality points are assigned at the AP level)

**277 CP Women in American History**

Women/Amer

Grade 11 and 12

Credit .5

This elective semester course surveys the role of individual women in American history from the early colonial period to the present, as well as important milestones in the women's movement. Students examine the historical, social, economic, religious, and constitutional impact of women in the making of American society, with heavy emphasis on analysis of primary source documents. Students practice independent research, critical thinking, and in-depth writing skills.

**275 H The Holocaust and Genocide**

Holocaust

Grade 11 and 12

Credit .5

This elective semester course explores the history of Anti-Semitism, from stereotyping to discrimination and ethnic cleansing. Students analyze events leading to the Holocaust as well as conditions of Holocaust victims. Additionally, students research instances of similar acts of discrimination and genocide of other ethnic groups, both in the past and today, in order to detect patterns throughout history. Students analyze primary and secondary sources and rely on critical thinking, deductive reasoning, and writing skills. The course includes guest speakers and a trip to the Holocaust Museum.

## **278 CP American Civil Rights and Legal Issues**

Cvl Rights

Grade 11 and 12 or Law & Leadership

Credit .5

This elective semester course addresses the struggle for civil rights in America from colonial times to the present, arising at both the state and federal level. Topics covered include slavery, Reconstruction, Jim Crow laws, the Great Migration, redlining, segregation, the Civil Rights movement, affirmative action, and anti-discrimination laws. U.S. legal principles and their application to debated policy are crucial to a survey of this subject. Incorporating primary and secondary sources in research and writing, students consider the real world consequence of civil rights legislation.

## **276 H Twentieth/Twenty First Century World History**

20/21st Cent World Hist

Grade 11 and 12

Credit .5

This elective semester course surveys major world events and movements since World War II. Topics include, the Cold War and the many subsequent regional wars, nuclear proliferation, independence movements in Africa, South America and Asia, the end of apartheid in South Africa, the establishment of the European Union, major political and trade alliances, the rise of terrorist movements, the space race, and environmental movements worldwide. Students are expected to analyze primary and secondary sources and use their skills in critical thinking, deductive reasoning, and writing.

## SCIENCE

### Biomedical Program

In order to be available to as many students as possible, the Biomedical Program classes are taught at a variety of levels. Students are encouraged to take courses that fall within the scope of biomedical science (see below) tailored to their abilities and interests. Students need to **take at least 5 science classes** from the approved sequence. Please note that **Bioethics is mandatory for all Biomed Seniors to graduate from the program** as the Senior Capstone Project is embedded within it unless there is a serious scheduling conflict that precludes enrollment. Students must have Program Coordinator permission to opt out.

<b>Options 9<sup>th</sup> Grade</b>	<b>Options 10<sup>th</sup> Grade</b>	<b>Options 11<sup>th</sup> Grade</b>	<b>Options 12<sup>th</sup> Grade</b>
Any Biology Course	Any Chemistry Course	384 CP Epidemiology	309 H Bioethics
	384 CP Epidemiology	336 CP Biotechnology	336 CP Biotechnology
	373 CP Health Science & Clinical Skills	373 CP Health Science & Clinical Skills	373 CP Health Science & Clinical Skills
		388 CP, 387 H Bioengineering	338 CP 387 H Bioengineering
		351 H or 352 CP Human Anatomy & Physiology I	351 H or 352 CP Human Anatomy & Physiology I
		330 AP Chemistry	328 H Anatomy & Physiology II
			356 AP Biology
			330 AP Chemistry
			384 CP Epidemiology

- Students must maintain an 85 or above in all Biomedical classes to remain in the Biomedical Program.

### **309 H, 310 CP Bioethics**

BioEthicsH

BioEthics

Grade 12

Credit 1

This course is a capstone for the Biomedical Program. Introduction to Bioethics explores some of the most difficult and fascinating moral challenges we face in health, medicine, and emerging technologies. Throughout, the focus is on moral questions regarding how decisions in these domains are made. This course is modeled after a course taught at the Kennedy School of Ethics, Georgetown University. The Senior Capstone project preparation and presentation are embedded within this class.

**This course is mandatory during senior year in order to graduate from the TCHS Biomedical Program** unless there is a serious scheduling conflict that precludes enrollment. Students must have Program Coordinator permission to opt out.

#### **PREREQUISITE:**

Must be enrolled in the Biomedical Program and have completed at least 3 classes under the Biomedical umbrella of classes prior to the senior year.

See page 5 for other prerequisites

### **320 H Honors Biology**

HBiology

Grade 9 or higher

Credit 1

Honors Biology introduces the student to the central concepts of biology, including topics such as the chemical basis of life, the structure of the cell, ecological relationships, principles of genetics, and the evolutionary processes that link the earth's diverse organisms. Laboratory activities are a key part of the course and reinforce the conceptual framework developed in the classroom.

#### **PREREQUISITE:**

HSPT and elementary / middle school transcripts determine placement. Students must be concurrently taking Algebra 2 or Honors Geometry. (This prerequisite will allow students to take Honors chemistry sophomore year.)

### **322 CP, 323 CP Biology - College Prep**

CP Biology

Grade 9

Credit 1

This course examines the concepts of biology as well as the process of how biologists study life. We focus our study on the big ideas of biology: the chemistry of living things, the cellular basis of life, information and heredity, growth, development, and reproduction homeostasis, and the evolution and the unity of life. Students use laboratory activities to reinforce material and to learn how to use observations, questions, and experiments to find answers to problems.

### **328 H, 329 CP Anatomy & Physiology II**

HAnat/ Phy2

Grade 12

Credit 1

Anatomy and Physiology II is the second course covering topics on the human body: endocrine system, cardiovascular system, immune system, respiratory system, digestive system, urinary system, and reproductive system. There is an emphasis on relating form to function, skill applications, and homeostatic imbalances.

#### **PREREQUISITE:**

Biology, Chemistry, Anatomy and Physiology I

### **330 AP Chemistry**

APChem

Grades 11 and 12

Credit 2

This AP course enables students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, applying mathematical routines, and connecting concepts in and across domains. This course is equivalent to a two-semester introductory chemistry class.

#### **PREREQUISITE:**

Concurrent enrollment in Pre-Calculus or Calculus and completion of Chemistry

### **331 H, 332 CP Chemistry**

HChem

Chemistry

Grade 10

Credit 1

This course introduces students to the basic concepts of chemistry, provides laboratory experience, and teaches critical-thinking and problem-solving skills that demonstrate the relevance of chemistry to everyday life.

#### **PREREQUISITE:**

For Honors Chemistry: Concurrent placement in Alg.2 (431) or above and see page 5 for other prerequisites

### **333 CP Practical Chemistry**

PracChem

Grade 10

Credit 1

This Course introduces students to the basic concepts of chemistry, provides laboratory experiences, and teaches critical-thinking and problem-solving skills that demonstrate the relevance of chemistry to everyday life.

#### **PREREQUISITE:**

Biology

### **336 CP Biotechnology**

BioTech

Grade 11, 12

Credit 1

Students develop proficiency with the tools and techniques used in research and medical labs and explore the ethics associated with this rapidly progressing field. This course investigates a range of topics in biotechnology and biomedicine as well as their local and global applications and impacts. Various career opportunities are also explored.

#### **PREREQUISITE:**

Must be enrolled in the Biomedical Program and have completed both a Biology and Chemistry credit.

See page 5 for other prerequisites

### **341 H Honors Physics**

H Physics

Grades 11 and 12

Credit 1

Honors physics is an introduction to a basic understanding of kinematics, dynamics, work, energy, waves, light, sound, electricity, magnetism, and quantum theory through reading, discussion, and laboratory experiments

**PREREQUISITE:**

Concurrent registration in Calculus or Pre-Calculus, Grade of B or above in Chemistry

### **342 H Conceptual Physics**

HConPhysics

Grade 9 STEM students

Credit 1

This introductory conceptual physics course allows students to study the rules that govern our physical world. Students study units on mechanics, sound and light, electricity and magnetism.

**PREREQUISITE:**

Algebra II or taking it concurrently

### **351 H, 352 CP Human Anatomy & Physiology I**

HAnat/ Phys

Anat/Phys

Grades 11 and 12

Credit 1

Anatomy and Physiology I is the first of two courses covering topics on the human body. This course is an introduction to, basic chemistry, cells and tissues, the skeletal, muscular, integumentary, and nervous systems. There is an emphasis on relating form to function, skill applications, and homeostatic imbalances.

**PREREQUISITE:**

Biology, Chemistry

### **356 AP Biology**

AP Bio

Grade 11 and 12

Credits 2

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communications, genetics, information transfer, and ecology.

#### **PREREQUISITE:**

Biology

Honors or CP Chemistry

Algebra II

See page 5 for other prerequisites

AP test fee may apply

### **301 CP Marine Biology**

MarineBio

Grades 11 and 12

Credit 1

Marine biology is the study of marine organisms and their behavior and interactions with the environment in which they live. The course includes biological oceanography and the related fields of chemical, physical and geological oceanography needed to understand marine organisms and their habitat.

#### **PREREQUISITE:**

Biology

Chemistry

### **358 CP Forensic Science**

ForenSci

Grades 11 and 12

Credit 1

Students study the field of forensic science and learn to use skills in data collection and analysis, scientific problem solving, and evidence examination to investigate crime scenes. They learn about the law and forensic science, forensic science careers, crime scene investigation, fingerprint analysis, hair and fiber analysis, trace evidence, blood types, blood spatter analysis, DNA evidence, poisons, document analysis, and forensic anthropology.

#### **PREREQUISITE:**

Honors Chemistry or CP Chemistry

See page 5 for other prerequisites



### **369 CP Earth's Disturbances and Meteorology**

Meteor

Grades 11 and 12

Credit 1

This course examines the field of science related to the planet Earth. It deals with the physical make-up of the earth and its atmosphere, including the planet's physical characteristic and the effects of these characteristics. Earthquakes, volcanoes, hurricanes, tornadoes, and tsunamis are covered. As the study progresses related meteorological processes and applications are addressed.

#### **PREREQUISITE:**

Successful completion of Algebra 1 and Practical Chemistry

### **364 CP Astronomy**

Astronomy

Grades 11 and 12

Credit 1

This is a yearlong course in descriptive and conceptual astronomy. Semester 1 explains the motions of the night sky, the basic tools and methods of astronomy, characteristics of the solar system, and major figures in historical astronomy. Semester II starts with the Sun, using it as a template to understand the stars. Stellar evolution, the Milky Way Galaxy, other galaxies, and the universe as a whole are included in this course.

### **367 CP Environmental Science**

EnvSci

Grades 11 and 12

Credit 1

This course is a study of the interactions of living organisms with one another and their physical environment. Students apply scientific knowledge to devise various solutions to environmental questions and issues. Topics include the human influence on weather, water quality, air quality, animal populations, erosion, and energy resources.

#### **PREREQUISITE:**

Biology

Honors Chemistry or CP Chemistry

See page 5 for other prerequisites

### **368 AP Environmental Science**

AP EnvSci

Grades 11 and 12

Credit 1

AP Environmental Science is a full-year course designed to be the equivalent of a one-semester, introductory college course in environmental science and prepares students to take the Advanced Placement Exam in environmental science

Students use scientific principles, concepts, and methodologies to understand the interrelationships of the natural world and identify environmental problems and concerns. Students then analyze and discuss solutions to these problems using a multidisciplinary approach. A wide variety of classroom activities are used to introduce and reinforce material. Students engage in the scientific process and inquiry-based learning through lab experiments and activities. Topics include Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change.

#### **PREREQUISITE:**

Successful completion of 320-Honors Biology

331-Honors Chemistry

AP test fee may apply.

### **384 CP Epidemiology**

Epidem

Grade 10, 11,12

Credit 1

This course introduces the basic principles and methods of epidemiology within the framework of biology, with an emphasis on critical thinking, analytical skills, and application to real-world issues. In addition, the themes of global health and social justice are infused throughout this course and address poverty, conflicts and emergencies, health inequity, health systems reforms, and major global initiatives for disease prevention and health promotion.

#### **PREREQUISITE:**

Must be enrolled in the Biomedical Program and have completed a Biology credit plus have completed or be concurrently enrolled in Chemistry credit.

See page 5 for other prerequisite

### **373 CP Health Science & Clinical Skills**

Hea&ClinSk

Grades 10,11,12

Credit 1

This yearlong course is designed to provide an overview of all phases of the health care industry including diagnostic, therapeutic, and support services. In addition to career exploration and planning, students study basic anatomy and physiology, medical terminology, recognition of vital signs, nutrition, health and wellness across life stages, and infection control. Students learn and apply skills of health care professionals in the medical, dental, veterinary, and pharmacy fields. Students must demonstrate competency in clinical skills such as doing patient intake and physical exam, medical laboratory techniques, infection control, emergency care, first aid, and the care of a hospitalized patient. This course is taught through lectures, discussions, labs, simulations, case studies, research, presentations, and projects. **American Red Cross Certification in Adult and Pediatric 1<sup>st</sup> Aid, CPR, & AED is optional for an extra fee.**

#### **PREREQUISITE:**

Must be enrolled in the Biomedical Program and have completed a Biology credit

See page 5 for other prerequisites

### **388 CP 387 H Bioengineering**

BioEngH

BioEng

Grades 11 and 12

Credit 1

Bioengineering combines engineering and design principles with medical and biological sciences to research and develop devices, tools, systems, and software that advance healthcare. From helping to conquer deadly diseases to possibly enabling the paralyzed to regain use of their limbs, biomedical engineers apply quantitative solutions to medical problems. Their work ranges from diagnostic tools and therapies to artificial organs and prosthetics. Selected STEM and Biomedical upperclassmen work in interdisciplinary teams to solve biomedical problems through lectures, active inquiry, critical analysis, creative problem solving, and Grand Challenge Design Projects. Biological topics may include cells, cellular respiration/photosynthesis, human anatomy, biotechnology, cancer, environmental science, nanotechnology, and surgical instrumentation. This yearlong course is

open to 10 STEM + 10 Biomedical Program juniors and seniors with Program Coordinator approval.

**PREREQUISITE:**

Must be enrolled in the Biomedical or STEM Program

Completed or currently enrolled in Biology

Program Coordinator approval

See page 5 for other prerequisites

## **PHYSICAL EDUCATION**

### **712 CP Physical Education**

Phys Ed

Grade 9

Credit .5

The physical fitness of students is enhanced by a well-rounded physical education program that provides a variety of experiences to develop cardiovascular fitness, muscular endurance, flexibility, agility, strength, balance, coordination, and good posture.

### **722 CP Physical Education/Wellness**

PE/Wellness

Grades 11 and 12

Credit 1

This course is a continuation of physical education at an advanced level of participation in individual and team sports. The topics of wellness and life-long fitness are integrated in the course. Approval of the Athletic Director is required.

### **732 CP Health Education**

Health

Grade 9

Credit .5

The focus of this course is health and wellness. The program provides educational experiences, which promote health-enhancing behaviors in Students' personal lifestyles. Topics include skills for leading a healthy life, lifestyle diseases, self-esteem, mental health, managing stress and coping with loss, understanding drugs and medicine, and preventing infectious diseases.

## MATHEMATICS

### **403 CP Algebra 1A**

Algebra 1A

Grade 9

Credit 1

This course is the first half of a two-year sequence for Algebra 1. Topics include patterns in algebra, sets and properties of real numbers, algebraic operations, equations, proportional reasoning, slope and the equation of a line, statistics and data analysis.

### **411 H Algebra 1**

H Algebra 1

Grade 9

Credit 1

This Honors level course offers students a solid foundation in Algebra 1. Topics include solving word problems, proportional reasoning, inequalities, absolute values, exponents, polynomials, and factoring. This course also presents topics in co-ordinate geometry, rational and irrational numbers. *Students must have a TI-83+ or TI-84 or a graphing calculator app for use in this course.*

### **412 CP Algebra 1**

Algebra 1

Grade 9

Credit 1

This course offers students a strong foundation in Algebra 1. Topics presented in the course include solving equations, proportional reasoning, data analysis, inequalities, absolute value, exponents, exponential functions, polynomials, and factoring. This course also includes an introduction to quadratic functions and the quadratic formula. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

### **413 CP Algebra 1B**

Algebra1B

Grade 10

Credit 1

This course is the second half of a two-year sequence for Algebra 1. Topics include linear functions, inequalities, absolute values, exponents, polynomials, factoring and quadratic functions, including the Quadratic Formula, and operations with rational expressions.

#### **PREREQUISITE:**

Successful completion of Algebra 1A (403)

### **420 H Honors Geometry**

H Geometry

Grade 10

Credit 1

A strong background in Algebra 1 is required. Topics include an introduction to logic, the study of similar and congruent triangles, polygons, parallel lines and trigonometry. The area, perimeter and volume of two-dimensional and three-dimensional objects are presented as well. This course makes use of the *Geometer's Sketchpad* computer program and features a discovery approach to Geometry. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

#### **PREREQUISITE:**

Successful completion of Algebra 1 (412) with a B+ average or Honors Algebra 2 (431)

### **422 CP Geometry**

Geometry

Grade 10

Credit 1

This course offers a comprehensive geometry program that includes logic and proof, polygons, similar and congruent figures coordinate geometry, perimeter, area and volume, and circles. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

#### **PREREQUISITE:**

Successful completion of Algebra 1 (412) or Algebra 2 (432)

### **430 H Pre-Calculus**

H Pre-Calc

Grades 11 and 12

Credit 1

This vigorous course prepares students to take the Advanced Placement Calculus (AB) course. Topics include the study of polynomial, exponential, logarithmic and rational functions. Topics in trigonometry and analytic geometry are also included. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

#### **PREREQUISITE:**

Successful completion of Algebra 2 and recommendation of the Mathematics Chair

See page 5 for other prerequisites

### **431 H Honors Algebra 2**

Hon Alg 2

Grade 9 and 11

Credit 1

A strong background in Algebra 1 is required. Topics include systems of equations, quadratic functions, exponential and logarithmic functions. Polynomial, rational and radical functions will also be included. *Students must have a TI-83+ or a TI-84 series graphing calculator for use in this course.*

### **432 CP Algebra 2**

Algebra 2

Grades 11 and 12

Credit 1

This course offers a comprehensive Algebra 2 program. Topics include solving systems of equations, all types of functions (quadratic, polynomial, rational, radical, exponential and logarithmic), conic sections, sequences, and series. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

#### **PREREQUISITE:**

Successful completion of Algebra 1

#### **440 AP Calculus AB**

AP Calc AB

Grade 12 (or approval of instructor)

Credit 1

This course is a continuation of the Pre-Calculus course. Students undertake a detailed study of Differential and Integral Calculus.

Students are expected to take the Advanced Placement Calculus AB exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course*

#### **PREREQUISITE:**

Completion of Pre-Calculus (430)

See page 5 for other prerequisites

AP test fee may apply

#### **441 H Calculus**

H Calculus

Grade 12

Credit 1

This course is an honors level continuation of the Pre-Calculus course. Students undertake a detailed study of Differential and Integral Calculus.

Students are not required to take the Advanced Placement exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

#### **PREREQUISITE:**

Completion of Pre-Calculus (430)

See page 5 for other prerequisites

#### **444 CP Advanced Functions and Statistics**

Ad/ FunctStat

Grade 12

Credit 1

This course is designed for students who have a familiarity with basic algebraic functions. Topics include the study of quadratic, exponential, polynomial, logarithmic, and rational functions. This course also presents topics in descriptive and inferential statistics. Topics in probability are also included. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

#### **PREREQUISITE:**

Successful completion of Math 422 and 432 or permission of Mathematics Chair



### **445 AP Calculus BC**

AP Calc BC

Grade 12 (or approval of instructor)

Credit 1

This course is for students who already have a thorough knowledge of the elementary functions. Students who study for the Advanced Placement BC course also review the AB course. Students are expected to take the Advanced Placement Calculus BC exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

#### **PREREQUISITE:**

Completion of Calculus AB or Pre-Calculus

See page 5 for other prerequisites

AP test fee may apply

### **454 H, 455 CP Consumer Economics**

HConsEcon

ConEco

Grades 11 and 12

Credit 1

This course provides students with practical knowledge, a firm understanding of the concepts of sound personal, financial management, and the ability to successfully navigate through an ever-changing economic environment. Topics include an introduction to macroeconomics theory, budgeting, personal financial management, consumer credit and financing, risk management and insurance, savings and debt management strategies, investment options and alternatives, present and future values of a dollar, and tax planning.

## **TECHNOLOGY/ENGINEERING**

### **153 CP Yearbook and Journalism**

Yrbk Jrnl

Grades 11 and 12

Credit 1

This course promotes skills in basic journalism, including design, journalistic writing, photography, and editing. Students compose and manipulate photos using Adobe Photoshop and explore layout and

design elements of print and web-based publications and refine writing style. Students plan, create, interpret, and critique visual representations and carefully examine their product for publication. Twenty-first century skills in collaboration, creative thinking, technical literacy, communication, and critical thinking are also promoted. The course concludes with the completion of The Troubadour, the annual yearbook. All students adhere to yearbook procedures, including deadlines. Some members serve as editors, taking on a teaching role in the class. Students must be able to work after school and/or at home to meet deadlines.

**PREREQUISITE:**

B or higher in English and teacher recommendation.

**524 CP Explorations in Educational Technology**

ExpEduTech

Grades 9, 10

Credit .5

This required course focuses on developing and applying the skill set necessary to facilitate quality work in the educational endeavors of high school students. This class focuses on the Microsoft Office Suite, paying close attention to the variety of offerings that each software program has to offer. Additionally, the class explores photo-editing software via Adobe Photoshop as well as music editing software via Garage Band with Apple products.

**530 H Introduction to Engineering**

IntroEngineer

Grade 9

Credit 1

This full-year course introduces students to the world of technology and engineering, as a first step in becoming technologically literate citizens. Additionally, the course helps beginning high school students answer the question, "Why should I study math, science, and engineering?" Throughout this project-based experiential course, students explore the Engineering and Design Modeling Process in-depth using practical real-world connections and hands-on activities. Students learn how science, mathematics, and engineering are part of their everyday world and why it is important to be technologically and scientifically literate. Students learn basic engineering design, 2 and 3 dimensional drawing,

and introduction to Computer-Aided-Design (CAD) and experience the value of teaming to produce superior results. This course is required for those students who wish to complete the STEM Program.

**PREREQUISITE:**

Enrolled in Honors Algebra 2 (431) and Conceptual Physics (342) 538 H

**539 H Exploring Careers in Engineering**

Engineering

Grade 10

Credit 1

This project-based course is designed to expand the student's knowledge of, and, interest in pursuing technology and engineering careers. Students are exposed to different fields of engineering while completing projects as part of teams of various sizes and personalities. Through this course's practical real-world connections and hands-on activities, students have an opportunity to use science and mathematics to solve practical engineering challenges. This course is required for those students who wish to complete the STEM Program.

**PREREQUISITE:**

Successful completion of Honors Algebra 2 (431), Conceptual Physics (342) and Introduction to Engineering (53

**540 H Introduction to Computer Programming**

IntCompPro

Grades 11 and 12

Credit .5

This course introduces computer programming algorithms and the structure of programs. Students design, implement, document, and test applications using Java object-oriented programming language. The basic syntax and application of additional programming languages such as C++ and JavaScript, is also discussed. **(This course is required for those students who wish to complete the STEM Program.)**

**PREREQUISITE:**

Successful completion of Honors Algebra 2 (431), one lab-based science course and the Introduction to Engineering course

## **544 H Computer Engineering**

CompEngineering

Grades 11 and 12

Credit .5

This course provides a hands-on approach to computer architecture and basic networking concepts. Students study internal hardware components for desktops, laptops, tablets, and 3D printers. Networking concepts include network topologies, network design, the 568b Ethernet wiring standard, and the TCP/IP protocol.

### **PREREQUISITE:**

Successful completion of Honors Algebra 2 (431), one lab-based science course, and the Introduction to Engineering course

## **545 H Technology Support**

TechSupport

Grade 12

Credit 1

This course requires students to use analytical and problem-solving skills to resolve student, faculty, and staff technical problems. Students develop troubleshooting skills to diagnose and resolve problems for various types of computer equipment including printers, laptops, projectors, and tablets.

### **PREREQUISITE:**

Successful completion of Computer Engineering (544) and approval of instructor

## **550 H Computer-Aided Drafting (CAD) Senior Research Project**

SrResProjH

Grade 12

Credit 1

This course combines off-site internet-based learning and onsite project-based experiential learning into a seamless package over the course of two semesters. During the 1st semester students learn online the industry standard Computer-Aided-Design & Modeling software, SolidWorks through a cooperative agreement with Catapult Engineering Academy, Birmingham, Alabama. During the 2nd Semester, students take the STEM knowledge and practical experiences gained to demonstrate their competence of all steps of the Engineering Design and Modeling Process. Students propose an in-

depth semester-long project that encapsulates all they have learned about the Engineering Design and Modeling Process throughout their Catholic High STEM experience. Students then make a written and oral presentation or a TEDTALK style presentation before both peers and industry professional as part of this project.

**PREREQUISITE:**

Successful completion or enrollment in all courses required to complete the STEM program and the approval of the STEM Coordinator

## **WORLD LANGUAGES**

### **611 H, 612 CP French I**

H French I

French 1

Grades 9, 10, 11, 12

Credit 1

This course is an introduction to the French language and the culture of the French-speaking world. This course helps students to develop an acceptable degree of proficiency in the four language skills: speaking, reading, listening, and writing. Cultural material is integrated into the learning process to develop an understanding and appreciation of the cultural heritage and lifestyles of the French-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for the course.

### **621 H, 622 CP French II**

H French 2

French 2

Grades 9, 10, 11, 12

Credit 1

This course strengthens and broadens the skills of listening, speaking, writing, and reading the French language acquired during French I. More complex grammatical structures and verb tenses are added to those taught during the first year of study. Students read longer texts and writing skills are further developed through guided composition.

Auditory and speaking skills are developed more fully through classroom conversation and listening activities. This course continues to integrate cultural material into the learning process, expanding the students' appreciation of the cultural heritage and lifestyles of the French-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for this course.

**PREREQUISITE:**

H – Must have taken Honors French 1, or have the recommendation of the TCHS French teacher

CP – must have successfully completed CP French 1

**631 H French III**

H French 3

Grades 11 and 12

Credit 1

In this course, the student continues to expand and perfect all of the language skills learned during the first two levels and to broaden the study of the rich culture of the French-speaking world. Students compose original writing in French and begin to read French literature. Conversing in French is expected of students at this level.

**PREREQUISITE:**

See page 5 for prerequisites

**641 H French IV**

H French 4

Grade 11 and 12

Credit 1

This course is designed for students who wish to explore the French language and culture in more depth. It provides a thorough review of French grammatical structures and verb tenses. French literature, art, music and history are explored with increased emphasis on oral and written communication. Students are expected to work on a large variety of activities that stress verbal fluency and aural comprehension, as well as perfecting writing skills in the French language.

**PREREQUISITE:**

See page 5 for prerequisites

**651 H, 652 CP, 653 CP Spanish I**

HSpanish 1

Spanish 1

Grades 9, 10, 11, 12

Credit 1

This course is an introduction to the Spanish language and to the culture of the Spanish-speaking world. The objective of this course is to help each student develop an acceptable degree of basic proficiency in the four basic language skills: speaking, reading, listening, and writing. Cultural material is integrated into the learning process to enable the students to develop an understanding and appreciation of the cultural heritage and lifestyles of the Spanish-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for the course.

**661 H, 662 CP, 663 CP Spanish II**

HSpanish 2

Spanish 2

Grades 9, 10, 11, 12

Credit 1

This course strengthens and broadens the skills of listening, speaking, writing, and reading the Spanish language acquired during Spanish I. More complex grammatical structures and verb tenses are added to those taught during the first year of study. Students begin reading longer texts in Spanish and writing skills are developed through guided composition. Auditory and speaking skills are developed more fully through conversation and listening activities. This course continues to integrate cultural material into the learning process, expanding students' appreciation of the cultural heritage and lifestyles of the Spanish-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for this course.

**PREREQUISITE:**

H – Must have taken Honors Spanish 1 or have the recommendation of the TCHS Spanish teacher

CP – Must have successfully completed CP Spanish 1

### **671 H, 672 CP Spanish III**

HSpanish 3

Spanish 3

Grades 10, 11 and 12

Credit 1

During this course, students continue to expand and perfect all the language skills learned during the first two levels and to broaden their study of the rich cultural diversity of the Spanish-speaking world. Students compose original writing and give presentations in Spanish. Significant oral participation in Spanish is expected of students at this level. Cultural readings in Spanish continue to be an integral part of this course.

#### **PREREQUISITE:**

See page 5 for prerequisites

### **681 H Spanish IV**

H Spanish 4

Grades 11 – 12

Credit 1

This course provides a thorough review of Spanish grammatical structures and verb tenses. The study of Spanish vocabulary is broadened with an emphasis placed on idiomatic expression. Reading about the history and culture of the Spanish-speaking world and selected readings from Spanish literature provide material for compositions and conversation in Spanish. In addition, weekly conversations in Spanish on topics of interest to the students are integrated into the course. The video program, DESTINOS, is an integral part of this course.

#### **PREREQUISITE:**

See page 5 for prerequisite

### **601 CP Latin 1 \*\*\***

Latin 1

Grades 9 – 12

Credit 1

Students learn an ancient, "dead" language in a modern, lively manner. The course includes the fundamental building blocks of world-language study: reading, writing, listening comprehension, and speaking. Students learn Latin vocabulary while enhancing their own vocabulary through derivatives with common Latin roots and are exposed to a wide



range of grammar patterns that bolster their understanding of how languages work. They learn to compose Latin sentences from simple to complex ones. Students compare and contrast Roman cultural practices, products, and perspectives with other cultures.

**Self-Paced Scheduling Information:** Complete Courses - Full Credit Equivalent courses must be completed by your school's end date and within 9 months. Educere's tuition fee is approximately \$500.

## **602 CP Latin II \*\***

CP Latin 2

Grades 9 – 12

Credit 1

The Latin II course continues the study of the ancient language in a modern manner. The course is centered on mythology. Every two weeks a new myth, written in Latin, is introduced, which drives the weekly vocabulary, grammar lessons, and culture lessons. The weekly lessons stress the fundamental building blocks of world-language study: reading, writing, listening comprehension, and speaking. The students read and translate the myths each week. The students write, both in Latin and in English, given prompts based on the myths they are studying. The students listen to the myths read aloud to them and are asked comprehension questions based on these lessons. The students are asked to do Latin tongue twisters and recite nursery rhymes in Latin in order to practice speaking Latin.

**Self-Paced Scheduling Information:** Complete Courses - Full Credit Equivalent courses must be completed by your school's end date and within 9 months. Educere's tuition fee is approximately \$500.

### **\*\*\* Delivery Method (Latin I and Latin II)**

- ❖ **Internet**
- ❖ **Real-Time Web-Based Text Meeting Access**
- ❖ **Streaming Audio**
- ❖ **Streaming Video**

## VISUAL AND PERFORMING ART

### McCafferty Honors Visual and Performing Arts Concentration

TCHS offers a four-year sequence in piano, visual art, band, orchestra, vocal music or theatre. The four-year course of study requires graduated levels in the subject area. The following classes offered Concert Choir, Concert Band, World Art, Music Appreciation, Guitar, Piano, and Theatre may be used for the required Fine Arts credit for students not interested in the concentration.

Piano	Piano 1	Piano 2	Piano 3	Piano 4	AP Music Theory
Band	Symphon Band 1	Symphon Band 2	Symphon Band 3	Winds Ensemble	AP Music Theory
Orchestra	String Orchestra 1	String Orchestra 2	String Orchestra 3	String Orchestra 4	AP Music Theory
Choir	Concert Choir	Chamber Choir	A Cappella Choir	A Cappella Choir	AP Music Theory
Visual Art	Studio Art 1	Intermed Studio Art	Advanced Studio Art 1	Advanced Studio Art 2	AP Art
Theatre	Speech and Drama and Technical Theatre	Theatre 1 and Theatrical Dance	Women in Theatre and Film and Acting and Directing	Capstone Theatre Project	

## MUSIC

### **805 H Wind Ensemble**

WindEnsemH

Grades 10, 11, 12

Credit 1

TCHS Wind Ensemble is a course designed for advanced Woodwind and Brass students. Wind Ensemble students perform a variety of challenging musical literature and develop skills to achieve individual music goals, such as All-State, Honor Band, and college auditions. The

Wind Ensemble may perform with any combination of TCHS ensembles or clubs at the many concert, recital and festival performances they have through the year. The Wind Ensemble also performs at all school liturgies with the Honors Orchestra.

**PREREQUISITE:**

Requires permission from instructor

**806 CP String Orchestra**

StringOrch

Grades 9, 10, 11, 12

Credit 1

TCHS String Orchestra provides intermediate/advanced string instruction in a class setting. Emphasis is placed on ensemble fundamentals and individual technique through the performance of string and full-orchestral literature. For select performances, the Symphonic Band and/or Wind Ensemble combines with the String Orchestra to form the TCHS Symphony Orchestra. The String Orchestra performs in school and community concerts, extra rehearsals and performances are required as part of this course.

**810 AP Music Theory**

AP Mus/Thry

Grades 10, 11 and 12

Credit 1

This advanced level course is designed to engage students in learning activities that help them to achieve the outcome assessed by the College Board's AP Music Theory exam. The Advanced Music Theory course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities are developed through various listening, performance, written, creative, and analytical exercises. Although this course focuses on music of the Common Practice Period (1650-1850), materials and processes found in other styles and genres are also studied. Students are encouraged to sit for the College Board's AP Theory exam. Students who successfully complete the AP Music Theory Exam and plan to major in music in college, may be able to enroll in an advanced music theory course, depending upon the individual college's policy.

### **813 CP Concert Choir**

ConcertChoir

Grades 9, 10, 11, 12

Credit 1

TCHS Concert Choir is the largest vocal ensemble. This choir receives instruction in the fundamentals of singing and beginning music theory. As this is a performance-based course, rehearsals and concert performances are mandatory. The Concert Choir, with the Chamber Choir and the A Cappella, perform at the TCHS Christmas Concert and the TCHS Spring Concert. After school rehearsals are held the week prior to each concert. Additionally, some performances may be held outside of school hours and/or off-site. Choir members are expected to participate. New choir members are expected to purchase Concert Apparel.

#### **PREREQUISITE:**

Vocal audition and permission of instructor

### **814 H Chamber Choir**

ChambChoirH

Grades 10, 11, 12

Credit 1

TCHS Chamber Choir is a smaller select ensemble that focuses on repertoire of an advanced caliber which places more responsibility on the individual singer. Students continue to receive instruction in Music Theory, as well as an overview of Music History. Chamber choir shares some repertoire with Concert Choir and performs some of the larger works with them, in addition to doing community service with that group at Christmas and other engagements.

#### **PREREQUISITE:**

Audition with the director demonstrating advanced level of musicianship for assigned placement in the ensemble. Candidate must be able to read music and demonstrate vocal accomplishment.

## **816 H A Cappella Choir**

ACappella H

Grades 11, 12

Credit 1

TCHS A Cappella Choir is the most advanced vocal ensemble course. Students receive advanced instruction in vocalizing.

A Cappella Choir performs four concerts annually. In addition to the concerts, the group may make guest appearances for community events and fundraisers. Singers are vocally challenged through advanced levels of singing and complex harmonies. To increase creative expression, singers are also asked to perform music with choreography. Singers learn to work in small groups (sectionals) and become leaders within the group. To increase aesthetic awareness, students are encouraged to do research of interesting multicultural choral groups and present them to the conductor. The TCHS A Cappella Choir shares some repertoire with Chamber Choir and Concert Choir.

### **PREREQUISITE;**

Audition for the director demonstrating advanced level of musicianship for assigned placement in the ensemble. Candidate must be able to read music and sight sing.

## **821 CP Percussion Ensemble**

Percussion

Grades 9,10,11,12

Credit 1

This course is designed for the development of both beginner and advanced percussion students. Students develop knowledge of music reading skills, musicality, music terminology, music history, and music theory. The primary repertoire of this course is Symphonic Band and String Orchestra music, as well as music to be performed as a percussion ensemble. Students are required to prepare short solos on the various percussion instruments. Extracurricular rehearsals and performances are required as part of this course.

## **808 CP Jazz Ensemble**

JazzEns

Grades 9,10,11,12

Credit 1

Jazz Band allows all students who already play a musical instrument to experience an ensemble devoted to the performance of Jazz music.

Styles studied in a given school year may include selections from the Dixieland, Ragtime, Big Band, Cool Jazz, Bebop, Hard Bop, Third Stream, Fusion, and Latin styles. Jazz Ensemble students also have class time devoted to learning how to improvise over a set of chord changes based on a lead sheet. This ensemble performs at school concerts and the spring honors recital.

### **817 CP Marching Band**

MarchBand

Grades 9,10,11,12

Credit 1

This course is designed to give students the opportunity to perform marching music in and around our school and state. The marching band is a fun, exciting, high profile, competitive group with an extensive rehearsal and performance schedule. The Marching Band will have the opportunity to perform at parades, pep rallies, competitions/adjudications, and other events around the Mid-Atlantic Region.

**\*\*\*Additional Fees may apply**

### **822 CP Symphonic Band**

SymphBand

Grades 9, 10, 11, 12

Credit 1

TCHS Symphonic Band provides intermediate/advanced woodwind, brass, and percussion instruction in a class setting. Emphasis is placed on ensemble fundamentals and individual technique through the performance of classical and contemporary wind band literature. The Symphonic Band performs in school and community concerts. Extra rehearsals and performances are required as part of this course. Freshmen and new members begin their high school instrumental music studies in Symphonic Band.

## **807 H String Orchestra**

HStringOrc

Grades 10,11,12

Credit 1

Honors Orchestra is a course designed for advanced String students. Honors Orchestra students perform a variety of challenging musical literature and develop skills to achieve individual music goals, such as All-State, Honor Band, and college auditions. The Honors Orchestra may perform with any combination of TCHS ensembles or clubs at the many concert, recital and festival performances they have through the year. The Honors Orchestra also performs at all school liturgies with the Wind Ensemble.

### **PREREQUISITE:**

Requires permission from instructor

## **823 CP Piano 1**

Piano 1

Grades 9, 10, 11, 12

Credit 1

This course offers entry-level instruction in piano technique, practice habits, organizational skills, keyboard theory, sight-reading, and performance. Students are expected to develop personal discipline, including maintenance of a regular practice schedule.

## **824 CP Piano 2**

Piano 2

Grades 9, 10, 11, 12

Credit 1

This course reinforces and continues the development of technical skills, keyboard theory, sight-reading, and recital performance. Basic analysis of musical form and style are introduced and practically applied.

### **PREREQUISITE:**

Piano 1 and/or recommendation of instructor

**828 CP Piano 3****829 CP Piano 4**

Piano 3, Piano 4

Grades 9, 10, 11, 12

Credit 1

These courses offer expansion, refinement and practical application of previously acquired skills, with emphasis on study and performance of piano literature of all major historical periods. Opportunities for accompanying and large ensemble (orchestra, band, wind ensemble, pit orchestra) participation are available based on Instructor recommendation.

**PREREQUISITE:**

Piano 1 and 2 and/or recommendation of instructor

**826 CP Guitar I**

Guitar 1

Grades 9, 10, 11, 12

Credit .5

Students learn the basic fundamentals and techniques of playing acoustic guitar including tablature, chords, fingerpicking, and music notation. Music theory, composition, and small ensemble playing are also emphasized in this course. Performance in the Christmas Concert is mandatory. Instruments are provided. Prior musical knowledge is helpful, but not required.

**827 CP Guitar II**

Guitar 2

Grades 9, 10, 11, 12

Credit .5

This class is a continuation of Guitar I. Guitar II performs pop songs, ensemble pieces, scales, and more advanced techniques of acoustic guitar. Performance in the Spring Concert is mandatory.

**PREREQUISITE:**

Completion of Guitar I



## ART

### **831 CP Basic Studio Art**

Studio Art

Grades 9, 10, 11, 12

Credit 1

This foundation course covers the basic handling of tools, materials and techniques. In this basic design course students understand how art works through the elements of art and principles of design. They are able to write about and discuss concepts, ideas, styles and artists, as well as produce art, solving technical, visual, and creative problems encountered by all artists.

### **833 CP Intermediate Studio Art**

IntArt

Grades 10, 11 and 12

Credit 1

This course is a continuation of Basic Studio Art with an emphasis on using previously acquired skills to express ideas, values, and feelings that are important to individuals and society. Students continue to learn about the rich diversity of art forms that have been made throughout history and around the world.

#### **PREREQUISITE:**

Grade of B+ or above in Basic Studio Art and permission of instructor

### **832 CP Advanced Studio Art 1**

### **839 H Advanced Studio Art 2**

Adv Studio Art

Grades 10, 11 and 12

Credit 1

These courses are a continuation of Intermediate Art. Various topics are explored in more detail. The development of a personal portfolio is required.

#### **PREREQUISITE:**

Grade of B+ or above in Intermediate Studio Art or an interview with the teacher along with submission of drawings

**834 CP World Art 1 and****835 CP World Art 2**

WldArtApp1

WldArt App2

Grades 10, 11 and 12

Credit .5 (each semester)

These classes offer students the opportunity to learn several of the traditional lost arts and several new ones. The classes emphasize historical perspective and include many hands-on activities. Their focus is on fiber arts—traditional weaving, cloth and silk dyeing, sculpture, and jewelry making. Papermaking, bookbinding, printmaking, and illustration are also studied.

**846 CP Sculpture and 3-D Design**

Sculpt3-DDesign

Grades 10, 11 and 12

Credit .5

This course introduces students to the idea of thinking conceptually and creating dimensionally. Students are taught sculpture and 3-D design skills using a variety of materials such as cloth, string, clay, plaster, wood, wire and paper. Students also work on product design as well as theatre props and set design. Creative and “*outside of the box*” thinking is encouraged.

**SPEECH AND DRAMA****861 CP Speech and Drama**

Sp/Drama

Grades 9, 10, 11, 12

Credit .5

Students improve the art of communication in the first quarter with writing and performing simple introductory speeches. Students acquire the skills to write and present a three to five minute speech on a topic that interests them. Students learn how to deal with stage fright. During the second quarter students delve into the Dramatic Arts by

preparing (learning lines, blocking, etc...) and performing a 30-minute Children's Theatre Production at a near-by child care center.

### **864 CP Theatre**

Theatre1

Grades 9, 10, 11, 12

Credit .5

This course begins with an overview of the History of Theatre and takes a look at playwrights through the centuries, such as; Euripides, Shakespeare, Noel Coward, Tennessee Williams, Lorraine Hansberry, and Neal Simon. Students explore pantomime, improvisation, and scene-work. The culmination of the class is the presentation of a five-minute scene from a play of the student's choosing.

### **865 CP Technical Theatre**

TechTheatre

Grades 10, 11, and 12

Credit .5

Students learn elements of theatrical production, including set design, color coding a scene, costuming and make-up, light designing and how to operate a sound board. Students may run the backstage crew for our theatrical productions.

#### **PREREQUISITE:**

Theatre I or permission of instructor

### **866 CP Women in Theatre and Film**

WomenTheatre

Grades 11, 12

Credit .5

This course examines the history of women on stage, in play writing and on film. The theater was a sexist place for many centuries. Women were not even allowed to attend the theater until the 4th Century BC, let alone act in it. Males played all of Shakespeare's characters. We explore how women "broke" into this field and what was the price for doing so. In many cases, if a woman became too independent, there was a consequence. The class explores this topic with films, such as Mildred Pierce, The Color Purple and Fried Green Tomatoes.

## **867 CP Acting and Directing**

Act&Direct

Grades 11, 12

Credit .5

Students learn how to go deeper into the acting process by connecting their own experiences and emotions to the characters they portray. Students use the Stanislavski method and learn how to create a sub-text for stage characters. Students learn vocal exercises to help them project and enunciate on stage. Finally, students apply what they learned by directing their peers in short scenes.

## **870 CP Theatrical Dance**

Theat/Dance

Grades 9,10,11,12

Credit .5

This class combines learning the styles of famous choreographers such as Gene Kelly, Ginger Rogers and Bob Fosse. We then take their techniques and create our own dance steps with the help of a guest choreographer. This course requires after school hours.

### **PREREQUISITE:**

Must be enrolled in the VPA Theatre Program or have approval of instructor

## **869 CP 868 H Theatre Capstone Project**

TheaProjCP

TheaProjH

Grades 11-CP, 12-H

Credit 1

This course is the culmination of the 4 year VPA Theatre Program. The seniors choose a 30-minute scene from a play and cast, direct, design lighting, sound, costumes, make-up, etc. The performances are viewed on an evening in May\*. Juniors (in the Theatre Program) are also able to take this course and learn advance-acting skills as well as perform scenes from Shakespeare. The juniors are cast in the seniors' capstone project. This is a required course for seniors in the VPA Theatre Program and an optional course for juniors. This course may be taken both junior and senior year, since the grade levels are

completing different tasks. Juniors not in the VPA Theatre Program may take this class with permission from the instructor.

**PREREQUISITE:**

Juniors taking this class must be in the VPA Program or have permission of the instructor

\* Contingent upon permission of the administration