

TRINITY HIGH SCHOOL

Course Selection

Handbook 2024-2025



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Trinity High School Program of Studies Course Selection

Mission Statement

Rooted in the Catholic tradition, we educate and develop students who aspire to the highest good in mind, body and spirit.

To the Students

Selection of the appropriate courses is a serious responsibility and should be done **thoughtfully** and **realistically**. Before completing your course selection sheet and making your selections in Rediker, you are urged to discuss the matter with your parents, teachers, and counselor. The school policy is not to make changes in courses once the Course Selection Sheet has been signed by the parent(s) and submitted. Any exception to this should be requested in writing by the parent(s) to the Director of Studies and should have the approval of the teacher.

All requests to change courses after the course selection process is closed on February 23, 2024, will incur a \$20 course change fee. Requests to change classes after July 29, 2024, will incur a \$100 course change fee. Changes will not be made to schedules until the fee has been paid.

Requirements for Graduation

Trinity High School requires that each student schedules and passes six major subjects each year. Therefore, with these six major courses per year and the required fractional courses, a Trinity student will have 26 or more credits by graduation.

Elective Courses

The number of periods in the school day allows for the possibility of taking seven major courses instead of six. This additional subject will be considered in the simple arithmetic average in weighted GPA and in determining honor roll status.

Level Identification

Trinity High School offers four levels of study designated as:

Level AP - Advanced Placement Course - A college-level course based upon the Advanced Placement syllabus established by the College Board. Students are required to take the Advanced Placement tests in May.

Level H - Honors Course - A college preparatory course involving advanced work or in-depth study beyond the traditional academic. Students must maintain standards outlined by each department to continue in honors courses.

Level A - Academic Course - A traditional college preparatory course leading to higher study.

Level B - Basic Course - A course that is academic in content but slower in pace.

Equivalencies

A = 93 – 100 B = 85 – 92 C = 77 – 84 D = 70 – 76 F = 69 and below

NCAA Clearinghouse Standard Grading System to Calculate NCAA GPA

A = 4.0 B = 3.0 C = 2.0 D = 1.0 F = 0

No special values are assigned for plus or minus grades.

Eligibility Requirements for the Honor Roll

FIRST – An 87% or above in H or AP level courses and a 90% or above in the other levels. A grade of P is required in minor courses graded on a Pass/Fail basis. A grade of B is required for minor courses graded on an A to F basis.

SECOND – An 83% or above in H or AP level courses and an 85% or above in the other levels. A grade of P is required in minor courses graded on a Pass/Fail basis. A grade of B is required for minor courses graded on an A to F basis.

The student must receive an **S** in conduct.

The GPA scale is below. GPAs are calculated at the end of each semester and are cumulative for a student's coursework at Trinity.

	Basic	Academic	Honors	AP
100	4.01	4.38	4.75	5.12
99	4.01	4.38	4.75	5.12
98	3.92	4.29	4.66	5.03
97	3.83	4.20	4.57	4.94
96	3.74	4.11	4.48	4.85
95	3.66	4.03	4.40	4.77
94	3.57	3.94	4.31	4.68
93	3.48	3.85	4.22	4.59
92	3.39	3.76	4.13	4.50
91	3.30	3.67	4.04	4.41
90	3.21	3.58	3.95	4.32
89	3.12	3.49	3.86	4.23
88	3.04	3.41	3.78	4.15
87	2.95	3.32	3.69	4.06
86	2.86	3.23	3.60	3.97
85	2.77	3.14	3.51	3.88
84	2.68	3.05	3.42	3.79
83	2.59	2.96	3.33	3.70
82	2.50	2.87	3.24	3.61
81	2.41	2.78	3.15	3.52
80	2.33	2.70	3.07	3.44
79	2.24	2.61	2.98	3.35
78	2.15	2.52	2.89	3.26
77	2.06	2.43	2.80	3.17
76	1.97	2.34	2.71	3.08
75	1.88	2.25	2.62	2.99
74	1.79	2.16	2.53	2.90
73	1.71	2.08	2.45	2.82
72	1.62	1.99	2.36	2.73
71	1.53	1.90	2.27	2.64
70	1.44	1.81	2.18	2.55
Below 70	0	0	0	0

COUNSELING DEPARTMENT

Goal: The goal of the counseling staff at Trinity High School is to aid each student in acquiring the self-knowledge necessary to make sound decisions regarding his/her future and to help the student with the various concerns of adolescence.

Counseling:

1. Educational –High school and post-graduate
2. Vocational – Career and job planning
3. Personal – Adjustment to life during adolescence; counseling is available for those seeking help with any kind of problem.

Testing Program:

Freshmen:

The Preliminary Scholastic Aptitude Test 8/9 (PSAT 8/9)

Sophomores:

The Preliminary Scholastic Aptitude Test (PSAT)

Juniors:

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT)

Juniors/Seniors:

SAT, SAT Subject Tests, ACT

(*Note:* The above tests are administered on a national level. Students are required to register and take these exams independently.)

High School Course Selection:

When selecting courses, you should consider your career interests and your ability. If you plan to major in science or math, four years of high school math and science are recommended. Most college science and engineering programs require students to take four years of math and science, with the science courses including at least one year each of Biology, Chemistry & Physics. Colleges are looking for a strong high school record within the core curriculum. If you have specific questions about your choice of courses, talk to your school counselor or to the Dean of Academics.

Consider arranging a tour of Cumberland Perry Area Vocational Technical School (CPAVTS). Programs offered at CPAVTS include, but are not limited to, carpentry, automotive technology, culinary, and dental assisting. Some of the courses at CPAVTS provide a student with the opportunity to earn college credit while still in high school. A tour can be arranged through the Trinity Counseling Department. **Please note:** Students who attend CPAVTS can still apply and be admitted to college.

College Admissions:

Colleges use various criteria for evaluating student applications for acceptance. It is important that the student know the specific requirements established by the schools to which he/she is applying. The counselor and the college websites are good sources for this information. More up-to-date information can also be found on www.collegeboard.org, www.educationplanner.org and Naviance (connection.naviance.com/trihs).

Some of the criteria that colleges and universities consider are:

- Grade Point Average (GPA)
- Type of curriculum and subjects taken
- SAT, SAT Subject Tests, and/or ACT scores
- Counselor and teacher recommendations
- Activities in school and community
- Personal interview

Subject Departments within the schools may also vary regarding the type and number of pre-requisite high school courses that are required.

When possible, the student should visit the colleges that he/she is interested in attending. It is advisable to schedule an appointment with the admissions office to request an interview and a campus tour.

In many cases students may enter college with their major listed as “undecided”. However, there are certain fields of study such as engineering, architecture, and pharmacology, that require a student to be admitted in the freshman year and follow a specified course of study beginning with the first semester.

The Counseling Department is using Naviance, a software package that allows the department to submit and track each student’s college applications. It can also be used for career and college searches.

COLLEGE TIPS FOR PARENTS OF 9TH AND 10TH GRADE STUDENTS

- **Attend Back-to-School night. Familiarize yourself with the expectations of your child’s teachers.**
- **Read the course selection book in order to understand pre-requisites. For example, your child may be ineligible for Calculus senior year because of selections made in 9th and/or 10th grades.**
- **Become familiar with graduation requirements which are also found in the course selection book.**
- **Encourage your child to get off to a strong start academically. Remember that all grades, up to and including 11th grade, are part of the transcript sent out to the colleges, trade schools, the NCAA or the military.**
- **It’s good to have your child challenge themselves with upper-level courses to see if they are able to handle course expectations.**
- **Encourage your child to become involved with some extracurricular activity. There are varied sports, clubs and service organizations to fit many interest and talents.**
- **Keep a file of high school awards and honors received. These can be listed on the college application. □ Start talking to your child concerning college specifics (size, location, costs, etc.)**
- **If your child has been receiving accommodations through the learning support room, ask about being approved for College Board and/or ACT accommodations.**
- **Talk to your child about their talents and abilities. Help them to recognize priorities in their lives.**
- **Familiarize yourself with www.collegeboard.org. This is an excellent site for information about various colleges and their requirements.**
- **Regardless of your child’s plans for him/herself after high school, make sure that he/she knows that education is important to you.**

COLLEGE TIPS FOR PARENTS OF 11TH AND 12TH GRADE STUDENTS

- **Make sure your 11th grade child takes the PSAT in October; this is given at Trinity during the school day.**
- **Talk with your child about his/her interests and talents in terms of possible majors.**
- **www.bls.gov/oco is a government site that lists over 250 possible careers.**
- **Your child should take the SAT and/or ACT in the spring of junior year.**
- **If playing a sport in college is a possibility, your child should register with the NCAA in the spring of junior year.**
- **You & your child should make college visits in the spring of junior year and the summer preceding senior year.**
- **Encourage your child to get involved, or stay involved, with extra-curricular activities and service activities.**
- **Insist on daily attendance.**
- **Check the Guidance Department home page often. Helpful websites, deadlines and general information is available on this site.**
- **Make sure that your child’s schedule ensures that all requirements for graduation will be met.**

THEOLOGY DEPARTMENT

The Theology Department shares in the threefold educational mission of the Church by integrating the message revealed by God which the Church proclaims, fellowship in the life of the Holy Spirit, and service to God's people, especially the poor. All courses are carefully structured and are founded on the twofold source of Revelation: Scripture and the Tradition of the Church. Special emphasis is given to incorporating Catholic Christian principles and everyday life so that the effort of all Catholic education (transformation of self and society) may be realized.

- 011 **THEOLOGY I** 1 CREDIT LEVEL A
The Revelation of Jesus Christ in Scripture (1st Sem.) The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. 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.
Who Is Jesus Christ? (2nd Sem.) The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, 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. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally. The study of Mary the Mother of God is also examined.
- 021 **THEOLOGY II** 1 CREDIT LEVEL A
The Mission of Jesus Christ [The Pascal Mystery] (1st Sem.) The purpose of this course is to help students understand all that God has done for us through his son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.
Jesus Christ's Mission Continues in the Church (2nd Sem.) 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.
- 031 **THEOLOGY III** 1 CREDIT LEVEL A
Life in Jesus Christ (1st Sem.) The purpose of this course is to help students understand that it is only through Christ that they can fully live God's plan for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.
Sacraments as Privileged Encounters with Jesus Christ (2nd Sem.) The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.
- 041 **THEOLOGY IV** 1 CREDIT LEVEL A
Living as a Disciple of Jesus Christ in Society (1st Sem.) 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. Students are challenged to discover ways in which they are personally called to participate in Christ's social teachings.
Responding to the Call of Jesus Christ (2nd Sem.) 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 is structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value of considering a vocation in service to the Christian community.

spring of the school year with the goal of acquiring college credit. **Completion of a summer assignment is required for this course. The purchase of designated supplemental materials may also be required.**

This course may be taken by a junior in place of Modern United States History. Students who are accepted into this course must remain committed to the course for the entire academic year. Permission to drop the course will be granted only in unusual cases. Such requests must be made in writing to the teacher of the course.

Prerequisites: First honors in both History (AP or academic) and English (honors or academic).
Recommendations from present English and History teachers.

242 **ADVANCED PLACEMENT® U.S. GOVERNMENT** 1 CREDIT LEVEL AP

This is an Advanced Placement® course offered to interested and qualified seniors who have maintained an honors grade in their previous Social Studies courses and in English. This course covers the creation and historical development of the United States Constitution. It examines U.S. constitutional democracy with the objective of preparing students to take the Advanced Placement® test in U.S. Government. **Completion of summer readings and/or assignments may be required. The purchase of texts and designated supplemental materials is also required.**

This course may be taken by a senior in place of American Government/Economics. Students who are accepted into this course must remain committed to the course for the entire academic year. Permission to drop the course will be granted only in extreme cases. Such requests must be made in writing to the teacher of the course.

Prerequisite: Enrollment is limited and recommendations from both the current English and Social Studies teachers are required for course consideration.

241 **PSYCHOLOGY** 1 CREDIT LEVEL A

This course offers students an introduction into the scientific study of human behavior and mental processes. Various schools of psychological thought are considered and an historical perspective is offered. Students will spend considerable time studying the role of the brain and other physiological factors affecting behavior. Childhood development, intelligence, mental disorders, the criminal mind, and behavior modification techniques are among the various topics discussed. **This is an elective offering and does not replace the required Social Studies classes for senior year.**

Prerequisite: Senior status

243 **ADVANCED PLACEMENT® PSYCHOLOGY** 1 CREDIT LEVEL AP

This course offers students a comprehensive introduction into Psychology, the scientific study of human behavior and mental processes. Topics include History and Approaches; Research Methods, Biological Bases of Behavior; Sensation & Perception; States of Consciousness; Learning; Cognition; Motivation & Emotion; Developmental Psychology; Personality; Testing; Abnormal Behavior; Therapies; and Social Psychology. This is an Advanced Placement® course offered as an elective to interested and qualified seniors. The objective of the course is to prepare the students to take the Advanced Placement® test in Psychology in the spring of the school year with the goal of acquiring college credit. Completion of a summer assignment is required for this course. The purchase of texts and designated supplemental materials is also required. **This is an elective offering and does not replace the required Social Studies classes for senior year.**

Prerequisites: Senior status and recommendations from 2 current English, History, and/or Science teachers.

245 **WORLD RELIGIONS** 1 CREDIT LEVEL H or A

Students inspect the foundations, worldviews, key teachings, principles, social structures, practices, contemporary movements and issues in the world's major religions today with particular focus on discovering each faith's potential for fostering moral development. Students who choose the honors level will also engage in discovering each faith's potential for fostering moral development. **This is a dual credit offering through Alvernia University for students who choose the Honors Level. This course is an elective and does not fulfill the Social Studies requirements for junior or senior year.**

Prerequisites: Junior or Senior status. Recommendations of present and past English and History teachers. Students must have fulfilled all service hour requirements from previous years. Course instructor must approve the choice of the honors/dual credit option.

252 **TOPICS IN FILM STUDIES: HISTORY THROUGH FILM** .5 CREDIT LEVEL A

Motion pictures were the most important art form of the twentieth century, and they remain America's most significant cultural contribution. This one-semester course will explore why film is so important to the history and culture of the United States. We will focus our course on two questions. First, how have movies influenced how we understand our own history? Second, how have movies themselves changed American culture? This course will focus mainly on films made between the 1930s and 1970s. Students will engage in extensive research and writing involving the use of primary source materials. **This course is an elective and does not fulfill the Social Studies requirements for graduation.**

Prerequisite: 10th, 11th, 12th graders.

This is a semester-long class that will be offered during Semester 2. By itself, it is a fractional class, but taken with another semester 1 semester-long class, would constitute a student's sixth major (required) subject.

255 **ANCIENT ROMAN STUDIES** .5 CREDIT LEVEL A

This course concerns the daily lives of the ancient Romans. This is an immersive class where you will be able to put yourselves in their shoes! The various topics in ancient Roman culture that will be explored include fashion, food, religion, education, art, architecture, sports, plays and public entertainment. Hands-on activities include cooking, games, and a house model project. **This course is an elective and does not fulfill the Social Studies requirements for graduation.**

This is a semester-long class that will be offered during Semester 1. By itself, it is a fractional class, but taken with another semester 2 semester-long class, would constitute a student's sixth major (required) subject.

**WORLD HISTORY I
SUMMER READING/WRITING ASSIGNMENTS
FOR ALL FRESHMEN STUDENTS.
2024-2025**

**IT IS THE STUDENT'S RESPONSIBILITY TO SECURE, READ AND COMPLETE
THE FOLLOWING ASSIGNMENT.**

Select one of the following National Geographic articles for a mandatory reading/writing assignment. Follow all instructions carefully.

Depending on the letter of your last name, select **ONE** of the following National Geographic articles from the corresponding group. After reading your selection, complete the following assignment.

Last Names beginning with the letters A-B-C-D- E:

January 2023: "The King of Mustang Will See You Now" p. 98
February 2023: "What's Not to Love?" p. 84
March 2023: "Life Goes On" p. 86
September 2023: "Under the Dome" p. 34
October 2023: "Time Travel to Ancient Galaxies" p. 86

Last Names beginning with the letters F-G-H-I- J- K

March 2023: "Troubled Treasures" p. 34
April 2023: "A Shrinking China" p. 68
September 2023: "The Sound of Ice" p. 86
September 2023: "Under the Dome" p. 34
December 2023: "Fortress of Faith" p. 88

Last Names beginning with the letters L-M-N-O-P-Q

April 2023: "Out of Sync" p. 92
May 2023: "Forcibly Removed" p. 74
June 2023: "Metal From the Heavens" p. 102
September 2023: "Under the Dome" p. 34
November 2023: "Building New Soil" p. 108

Last Names beginning with the letters R-S-T- U-V-W-X-Y-Z

February 2023: "Made from Mud" p. 108
March 2023: "Return to Wild Waters" p. 110
July 2023: "Return to the Cave of Bones" p. 68
September 2023: "Under the Dome" p. 34
December 2023: "Where Have All the Caribou Gone?" p. 112

Instructions:

1. Must use a computer: Times New Roman Font, 12 point size. All margins one inch.
2. Minimum 1 ½ pages and maximum 2 full pages, double spaced.
3. Use third person and do not use contractions.
4. Write an introductory paragraph explaining the general idea/purpose of the article. Follow this with paragraphs summarizing the main points and ideas presented in the article. Discuss how pictures, maps, diagrams and charts help enhance and explain the article. Lastly, discuss the significance of the article in relation to world history or global current events.
5. Title page: Place the title of the article in the middle of the page, centered: Times New Roman Font, 12 point size. Place your name and previous school at the bottom right hand corner. Staple all papers top left hand corner.
6. Make sure you write in your own words.
7. **Date Due: First day of school.**

SEQUENCE OF MATHEMATICS COURSES

<u>FRESHMEN</u>	<u>SOPHOMORES</u>	<u>JUNIORS</u>	<u>SENIORS</u>
Algebra 1 (310)	Geometry (320) Geometry (321)	Algebra 2 (330) Algebra 2 (331)	Trigonometry-A Statistics-A/AP Trig/Precalculus-A
Algebra 1 (311)	Geometry (321) Geometry-H	Algebra 2 (331) Algebra 2-H	Trig/Precalculus-A Statistics-A/AP Trig/Precalculus H
Algebra 2 (312)	Geometry (321) Geometry-H	Trig/Precalculus-A Trig/Precalculus-H/AP	Calculus-A Statistics-A/AP Calculus-H/AP
Algebra 2-H	Geometry (321) Geometry-H	Trig/Precalculus-A Trig/Precalculus-H	Calculus-A Statistics-A/AP Calculus-H/AP

SCIENCE DEPARTMENT

The members of the Science Department of Trinity High School believe in helping students help themselves meet their own individual needs. The faculty's role is to assist and encourage individual students in becoming lifelong learners through integrating critical thought processes with scientific principles. They also guide students to develop their own unique abilities and talents.

It is the intention of the members of the Science Department, in the light of the teachings of the Second Vatican Council, that the individual subjects in the department "be pursued according to their own principles, method, and liberty of scientific inquiry, in such a way that an even deeper understanding in these fields will be obtained, and, that as questions that are new and current are raised and investigations carefully made according to the example of the Doctors of the Church there is accomplished a public, enduring, and pervasive influence of the Christian mind in the furtherance of culture, and the students are molded into men and women truly outstanding in their training, ready to undertake weighty responsibilities in society and witness to their faith in the world."

Prerequisites

Prior to registering for a course: refer to the "Prerequisites" listed after each course description, use the table below to identify the minimum grade required for each prerequisite depending on track, and obtain written teacher approval when changing tracks.

The table below shows, for example, that a student currently taking an "academic" science needs a minimum of an 80% in that course to take a future "academic" science courses, or a minimum of a 90% to move to "honors" or "AP/dual credit" sciences.

	Minimum Grade Required in PREREQUISITE Course by Track		
Track of FUTURE Course	General	Academic	Honors/AP/Dual Credit
General	70	70	---
Academic	90	80	70
Honors	---	90	83
AP/Dual Credit	---	93	87

Additional Science Department Requirements

Participation in the Trinity Science Fair is optional for all students. However, all students who wish to participate are obligated to present their projects for the Capital Area Science and Engineering Fair if selected to do so. In addition, students who prepare science fair projects can drop their low test grades in the third and fourth marking period at the discretion of their science teachers.

Any freshman student who was enrolled in a FULL YEAR course in Earth and Environmental Science in eighth grade will be placed in a Biology class appropriate to their ability level for ninth grade science.

In junior and senior year, students may opt to take two science courses if they meet the course requirements.

- 411 **EARTH SCIENCE/ ENVIRONMENTAL SCIENCE** 1 CREDIT LEVEL A
 In this course students will study various aspects of earth and space science, and environmental science. The course will include one semester of cartography, meteorology, and geology and one semester of environmental science, focusing particularly on Pennsylvania. Emphasis will be placed on learning through lecture material, laboratory activities, and library research.
- 445 **ECOLOGY & ENVIRONMENTAL SCIENCE** 1 CREDIT LEVEL A
 This course employs a multi-disciplinary approach to the study of both Ecology and Environmental Science. It will cover how natural ecosystems work & how individuals living in them interact. The earth's biological, chemical and physical systems will be presented and interactions between these systems will be explored. Topics will include ecological principles, conservation biology, energy resources, population dynamics and pollution. Lecture, independent reading, current events, laboratory work, field research, and group projects are also included. **This is a dual credit offering through Alvernia University.**
Prerequisites: *Senior Status*; minimum 80% average in academic sciences, 85% average in general sciences. Juniors may be accepted if space is available and if they have completed the science curriculum through Chemistry.
- 420 **GENERAL BIOLOGY** 1 CREDIT LEVEL A
 Through this course the students receive an introduction into the world of living things. Topics include: a study of living cell theory, energy transformation in living things, reproductive patterns and mechanisms, classification, survey of living systems and populations, and the relationship of man to his environment.
Prerequisites: *Sophomore status*, below 80% average in Earth Science/Environmental Science
- 421 **BIOLOGY** 1 CREDIT LEVEL A
 This course will challenge the students through a study of the following areas of biology: cell theory, energy transformation in living things, reproductive patterns and mechanisms, classification, survey of living systems and populations, and finally, the relationship of man to his environment.
Prerequisites: Sophomore status with 80 % or higher in Earth Science/Environmental Science
- 412 **HONORS BIOLOGY - Freshmen** 1 CREDIT LEVEL H
 This course gives an in-depth presentation of an introduction to life processes. Students will study the following topics: methods of science, chemical basis of life, cell biology, energy relationships, genetics, evolution, taxonomy and a survey of the six major kingdoms. The fourth quarter will be devoted to ecology and environmental science with emphasis on Pennsylvania.
Prerequisites: Qualifying score in the placement test. Superior achievement in 7th and 8th grade science. Superior standardized test scores (90th percentile).
- 415 **HONORS BIOLOGY - Sophomores** 1 CREDIT LEVEL H
 This course gives an in-depth presentation of an introduction to life processes. Students will study the following topics: methods of science, chemistry of life, cell biology, energy relationships, genetics, evolution, taxonomy, a survey of the six major kingdoms and the relationship of humankind to their environment.
Prerequisite: requisite 90% averages in Earth Science/Environmental Science; teacher approval
- 444 **ADVANCED BIOLOGICAL STUDY- AP©** 1 CREDIT LEVEL AP
 This course will provide a highly intensive presentation of biological principles. It is the equivalent of an introductory college biology course, designed for students with a high interest in biological science. It will include lecture material, extensive laboratory work, formal lab reports and research work. Some topics covered in the course include biochemistry, genetics, microbiology, comparative anatomy, taxonomy, ecology, botany, and zoology. Emphasis will be placed on interpretation and analysis of information, statistical analysis of data, and modeling of concepts. Dissection of a pig is a lab in this course. Completion of a summer assignment is required. Students in this AP© course will prepare for the Advanced Placement© examination given in May.

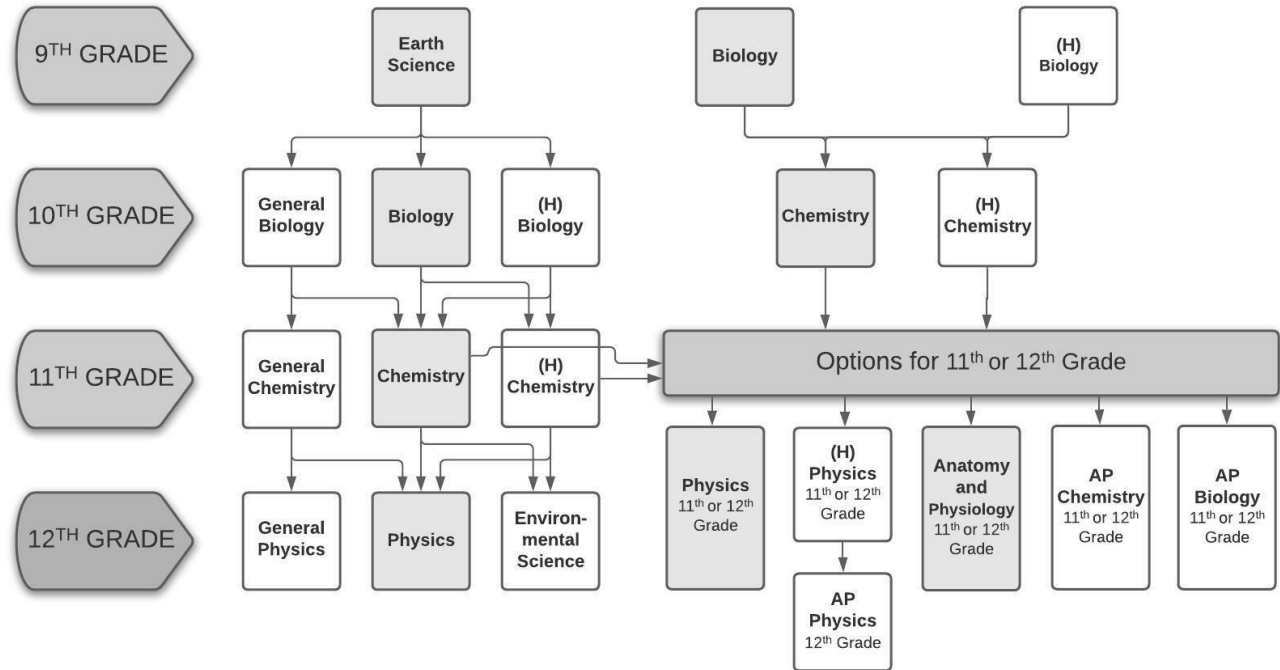
- 442 **PHYSICS** 1 CREDIT LEVEL A
- A study of the principles and laws of mechanics, light, sound, electricity, and magnetism are included in this course. Different topics will be dealt with in various depths with about one half of the year spent on mechanics and its many aspects. Application of physical laws and theories in finding the solution to problems is emphasized. Practical application in the form of activities, labs, and projects is also stressed in this course.
- A physics class is great preparation for almost any major, because it teaches students how to analyze complex problems, and gives students a strong quantitative background that can be applied in any technical field. In addition to the sciences, college majors requiring physics include engineering, computers, teaching, medicine, law (especially intellectual property or patent law), science and technical writing, history of science, philosophy of science, science policy, energy policy, government, and management in technical fields.
- Prerequisites:** requisite grade averages in 70% in Honors Chemistry OR 80% in Academic Chemistry; 80% in Academic Algebra 2
- 443 **HONORS PHYSICS** 1 CREDIT LEVEL H
- An in-depth look at the principles and laws of mechanics, light, sound and electromagnetism. Students will be required and expected to apply trigonometric and other advanced mathematical concepts in solving problems and discussing concepts. Much of the material covered in class will supplement the required text readings and assigned problems. Though Calculus is not required, it is beneficial if the students have taken Calculus or plan to take it concurrently. Completion of a summer assignment is required.
- A physics class is great preparation for almost any major, because it teaches students how to analyze complex problems, and gives students a strong quantitative background that can be applied in any technical field. In addition to the sciences, college majors requiring physics include engineering, computers, teaching, medicine, law (especially intellectual property or patent law), science and technical writing, history of science, philosophy of science, science policy, energy policy, government, and management in technical fields.
- Prerequisites:** 90% in Academic Chemistry OR 83% in Honors Chemistry; 90% in Academic Algebra 2
- 460 **AP[®]PHYSICS** 1 CREDIT LEVEL AP
- This course follows the curriculum outline for classical mechanics as outlined for AP[®]Physics 1 by the College Board. This course also is taught in conjunction with the University of Pittsburgh College in High School (CHS) Program. This is a first term, college level lecture-demonstration-laboratory sequence in physics for science and engineering students. This course is designed for students with a high level of interest in physics or pursuing a college science major. Subjects covered include kinematics, Newton's laws of motion, energy, momentum, rotational motion, angular momentum, gravitation, oscillations, mechanical waves, and kinetic theory. **This is a 4 credit dual offering through University of Pittsburgh College in High School (CHS) program.**
- Prerequisite(s):** *Senior Status*; 87% in Honors Physics; 87% in Pre-calculus; teacher recommendation
Co-requisites(s): Honors Calculus or AP Calculus

SEQUENCE OF SCIENCE COURSES

The academic progression through the science curriculum for students preparing for college admission would be:

- 9th grade Earth and the Environment,
- 10th grade Biology
- 11th grade Chemistry
- 12th grade Physics

Other possible sequencing is outlined below.



FRACTIONAL COURSE – REQUIRED OF ALL STUDENTS BEFORE GRADUATION

935 **COMPUTER APPLICATIONS** 1 SEMESTER .50 CREDIT

This course focuses on word processing, spreadsheets, presentation applications, Publisher, Google Docs, Sheets, and Forms. The advanced word processing topics will include mail merge, advanced graphics techniques, columnar formatting, bookmarks, hyperlinks, tabs, table of contents, and table manipulations. Spreadsheet topics will include functions, data validation, graphing, formatting, and printing. The presentation topics will focus on animation, transitions, using the slide master, videos, and action buttons. Students may schedule out of this course by passing an exam (by appointment with the teacher). ***Meets for 6 days a cycle for one semester and is required for grades nine or ten.***

creative process and technical skills will be focused upon. Students will begin to create art based on their learning targets designed to prepare a college portfolio. **This is a full credit course which meets every day for the entire school year.**

Prerequisites: 86% in Studio 2 and teacher approval

754 **STUDIO 4** 1 CREDIT LEVEL A

This course is designed to be taken by students who are highly motivated in the study of art and display the ability to take ownership of their artistic process. Emphasis will be on the student identifying the skills they need, outlining steps toward their goals, and monitoring their progress. All the while students will develop and incorporate their unique interests and characteristics. The student must have extended knowledge of art mediums and techniques. Along with understanding and implementing good studio habits. An opportunity to finalize a college portfolio will be incorporated. **This is a full credit course which meets every day for the entire school year.**

Prerequisites: 86% in Studio 3 and teacher approval.

756 **PAINTING** .5 CREDIT LEVEL A

Students will build on their drawing skills to explore different approaches to painting. Emphasis is placed on color, composition, and learning various techniques using a variety of media. Students will be asked to explore watercolors, acrylics, and pastels while developing skills. Then will plan their own painting projects based upon their own ideas, all the while documenting the creative process and reflecting.

This is a semester-long class that will be offered during Semester 1. By itself, it is a fractional class, but taken with another semester 2 semester-long class, would constitute a student's sixth major (required) subject. This course is an elective and does not fulfill the Social Studies requirements for graduation.

Prerequisite: 86% in Introduction to Art and teacher approval.

758 **CERAMICS/SCULPTURE** .5 CREDIT LEVEL A

Students will explore different techniques to create with ceramics. Emphasis is placed on craftsmanship and the development of skills. Students will plan their own ceramic projects based on their own ideas, all the while documenting the creative process and reflecting.

This is a semester-long class that will be offered during Semester 2. By itself, it is a fractional class, but taken with another semester 1 semester-long class, would constitute a student's sixth major (required) subject. This course is an elective and does not fulfill the Social Studies requirements for graduation.

Prerequisite: 86% in Introduction to Art and teacher approval.

759 **INTRODUCTION TO DIGITAL PHOTOGRAPHY 1** .5 CREDIT LEVEL A

This semester-long course is designed for the student who wishes to learn how to use a Mirrorless camera to create images that tell a story. It is a very hands-on curriculum. It includes practical instruction in basic camera operations, Exposure Triangle, White Balance & different camera modes. There will be group discussions/participation, guest speakers and weekly photographic assignments. There will also be a brief study of the history of photography, & the study of good photographers & what makes up good photographs. The photography projects will be based on a wide range of techniques & will emphasize various themes including: portraits, light painting, food, sports/action, black and white, among others. Students will photograph, learn to digitally enhance, through Lightroom & Photoshop, store and print their original work with the support of their laptop, a digital mirrorless camera, & Adobe Creative Cloud Suite, which will be provided to the student. The goal of this course is to teach students how to operate a camera, encourage students to cover a broad range of styles, & allow them to be creative in their approach while finding their own photographic style.

NOTE: A Mirrorless camera is required for this course & will be provided to them by the school. Students may borrow one from the school after they complete a Camera Rental Agreement. All students are responsible for the safety and care of the camera when checked out to them for use.

This is a semester-long class that will be offered during Semester 1. By itself, it is a fractional class, but taken with another semester 2 semester-long class, would constitute a student's sixth major (required) subject.

INTRODUCTION TO DIGITAL PHOTOGRAPHY 2 .5 CREDIT LEVEL A

This semester-long course is an extension of the Intro to Digital Photography 1 course. There will be a brief review of camera operations, continued guest speakers & further weekly photographic projects/assignments, including Portraits, Product Photography, Street Photography, Creative Photography, Food, Landscape & a bit of Macro Photography. Flash photography will also be discussed & learned in this course. This course will do a deep dive into editing with more Adobe Creative Cloud programs, including Lightroom & Photoshop & Adobe Express. Adobe Firefly, which is Adobe's version of AI, will also be learned & practiced. We will do projects in Photoshop, including Movie Poster Design, Double Exposure, Masking Letters, Silhouette Collage & a few others. We will prepare 3-5 photographic work/projects that will be displayed at the Taste of the Arts Event at Trinity in May. There will be more in-depth class discussions on what makes a good photograph as we view & critique other's works. Brief videography techniques & processing through After Effects & Premiere Pro will be reviewed, only as time permits.

Prerequisite: Intro to Digital Photography 1, unless discussed with the teacher.

This is a semester-long class that will be offered during Semester 2. By itself, it is a fractional class, but taken with another semester 1 semester-long class, would constitute a student's sixth major (required) subject.

FAMILY AND CONSUMER SCIENCES DEPARTMENT

Our Family and Consumer Sciences curriculum is designed for people - people making choices, people using resources, and people relating to people. This is done with particular attention to the impacts on families. Thinking skills are encouraged in each course by using the practical problem solving approach. Whether discussing topics in foods, clothing, or decision making, the intent is to provide the student with tools to enrich her/his life so families will be strengthened and, ultimately, all society will benefit.

800 **INTRODUCTION TO FAMILY AND CONSUMER SCIENCES** 1 CREDIT LEVEL A
Learn personal management and independent living skills in this class. Students practice making wise choices using reading, hands-on activities, discussion, and real-life simulations. The goal is to introduce strategies and coping skills for such areas as personal growth and career paths; clothing and textiles; wellness, nutrition and food choices; and financial literacy.

Prerequisite: None

803 **FOODS II** 1 CREDIT LEVEL A
Foods II is an advanced foods course with a class limit of twelve students. Advanced food topics, as well as world food needs are studied, with emphasis on equitable and responsible use of resources. International cuisine enhances appreciation of different cultures. Teacher and student demonstrations guide the learning.

Prerequisites: Successful completion of Introduction to Family and Consumer Sciences or equivalent classroom experience and the teacher approval.

PHYSICAL EDUCATION AND HEALTH

The mission of Trinity High School is - *Rooted in the Catholic tradition, we educate and develop students who aspire to the highest good in mind, body and spirit.* With that in mind, Trinity High School is committed to seeing students develop strong, positive, healthy habits of the body. It helps to invigorate the mind & spirit. All students will be required to take a physical education class each year they attend Trinity. In 9th & 10th grade that physical education course is combined with health education to fulfill the requirement that all students complete a credit of health prior to graduation. Because of the difference in the health curriculum, 9th and 10th grade Physical Education/Health classes will be separated.

901 **HEALTH - FRESHMEN**

.5 CREDIT

In Health Education class students will learn about drugs/alcohol, wellness, nutrition, and fitness components through a variety of methods to include: decision making skills that are aligned with our moral compass. Following these units they will learn about the reproductive system and diseases associated with it. The class uses a variety of teaching techniques in a classroom environment.

Meets for 6 days a cycle for one semester

903 **PHYSICAL EDUCATION – SOPHOMORES, JUNIORS & SENIORS**

.25 CREDIT

The mission of the Trinity High School Physical Education Department is to educate minds, develop healthy bodies and promote positive attitudes towards lifetime physical activity, fitness, and sports skills. With a quality education program in place, each student will be empowered with the knowledge and skills necessary to make responsible lifestyle choices that directly impact his/her health and well-being. Physical education carries the mission that each student will be able to have a practical, hands-on approach to wellness that correlates directly to how keeping our bodies healthy, can have a direct reflection on our social, spiritual and intellectual minds. Physical Education is based on the PA State Standards. *Meets 3 days a cycle for one semester*

OTHER AVAILABLE OPTIONS

DUAL CREDIT – ALVERNIA UNIVERSITY

Trinity High School has partnered with Alvernia University in Reading, PA, to offer courses that not only offer students high school credit, but also university credit. Courses that are currently approved for dual credit are noted throughout this catalog. In September students will be given the dual credit registration materials as well as the cost per credit. In order to be eligible to receive the university credits, this registration must be completed by the end of September. While many colleges/universities accept credits taken in the dual credit format, it is best if the student ask at the Admissions Offices of the colleges they are most interested in attending if they accept dual credit courses. Once a student pays the dual credit fee, there is no refund, even if the college does not accept the credits.

ST. FRANCIS UNIVERSITY PROFESSOR IN RESIDENCE PROGRAM

Trinity High School has partnered with St. Francis University to offer a limited number of semester-long dual enrollment courses that would result in both Trinity High School and college credit. These courses will be taught primarily online, but will include one full day on the campus of St. Francis University in Loretto, PA, participating in hands-on learning designed to complement the online work.

VIRTUAL HIGH SCHOOL

Juniors and seniors have the opportunity to take courses not offered in this catalog through the Virtual High School, an on-line program associated with Trinity High School. *For students interested in taking an on-line course, they must complete an application for admission to the program during the normal course selection time frame.* Applications are available in through the Studies Office. To be successful in these courses, students must be able to work independently and have good time-management skills. The only courses that are permitted are courses that we do not have the opportunity to offer in the regular classroom setting. For classes that are one semester long, students may either take the course as a seventh major for the semester, or must take two semester long classes if it is being taken as a sixth major for the school year. Students who enroll in Virtual High School courses for the school year will be required to pay additional fees for these courses. Science classes may also have a lab fee. Bills will be sent out to families at the start of the second semester and must be paid before report cards, transcripts and diplomas are released. If a student registers for a class and then requests to drop the course, the full cost of the course must be paid, not the course change fee noted earlier in this publication.

Regardless of the grade earned in the on-line class, that grade will be reported on the Trinity transcript. Students who fail a first semester Virtual High School course will be barred from future on-line courses and parents may be required to pay the full cost of the course(s).

CUMBERLAND PERRY AREA CAREER & TECHNICAL SCHOOL

The Career & Technical School is an extension of the home school program and offers the opportunity to combine academic preparation with vocational to technical preparation. There are a number of two or three year offerings in the vocational technical areas. Students are required to take Religion, English, Math, and other courses required for graduation at Trinity in the morning or afternoon, depending on when their local public school district attends the VoTech program, with the remainder of the day spent at the Vo-Tech School. Students should see their guidance counselor for more specific information.

Consider arranging a tour of Cumberland Perry Area Career & Technical School (CPACTS). Programs offered at CPACTS include, but are not limited to, carpentry, automotive technology, computer programming/networking, health sciences, automatic/robotics, cosmetology, culinary, and criminal justice. Some of the courses at CPACTS provide a student with the opportunity to earn college credit while still in high school. A tour can be arranged through the Trinity guidance department. Please visit the CPACTS website: www.cpatech.org